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GETTYSBURG, PA.

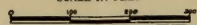
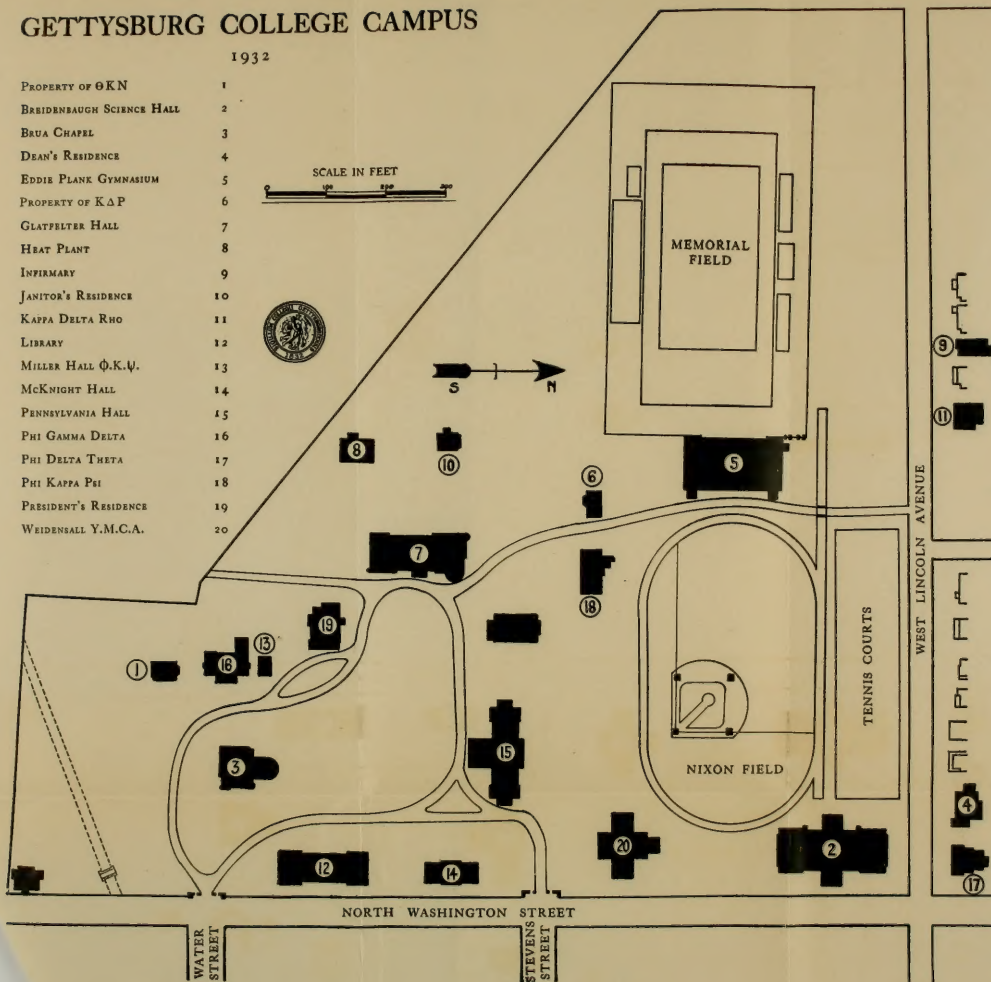
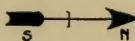
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GETTYSBURG COLLEGE CAMPUS

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SCALE IN FEET

CATALOG NUMBER

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Formerly Pennsylvania College

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GETTYSBURG COLLEGE

GETTYSBURG, PA.

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GETTYSBURG COLLEGE LIBRARY
GETTYSBURG, PA.

Session days are indicated by bold-face type

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COLLEGE CALENDAR

1932 • 1933 • 1934

<p>1932</p> <p><i>September 12</i></p> <p><i>September 15</i></p> <p><i>September 16</i></p> <p><i>November 23</i></p> <p><i>November 28</i></p> <p><i>December 6</i></p> <p><i>December 16</i></p>	<p><i>Monday</i>, Entrance Examinations and Registration of New Students.</p> <p><i>Thursday, 11 A.M.</i>, Formal Opening Exercises. College Year begins.</p> <p><i>Friday, 8 P.M.</i>, Y. M. C. A. Reception.</p> <p><i>Wednesday</i>, Noon, Thanksgiving Recess begins.</p> <p><i>Monday, 7:45 A.M.</i>, Thanksgiving Recess ends.</p> <p><i>Tuesday, 10 A.M.</i>, Mid-Winter Meeting of Board of Trustees in Harrisburg.</p> <p><i>Friday</i>, Noon, Christmas Recess begins.</p>
<p>1933</p> <p><i>January 3</i></p> <p><i>January 18 to 26</i></p> <p><i>January 28</i></p> <p><i>February 22</i></p> <p><i>April 12</i></p> <p><i>April 19</i></p> <p><i>May 30</i></p> <p><i>May 31 to June 9</i></p> <p><i>June 9</i></p> <p><i>June 10</i></p> <p><i>June 10</i></p> <p><i>June 10</i></p> <p><i>June 10</i></p> <p><i>June 10</i></p>	<p><i>Tuesday, 7:45 A.M.</i>, Christmas Recess ends.</p> <p><i>Wednesday to Thursday</i>. Examinations closing First Semester.</p> <p><i>Saturday, 7:45 A.M.</i>, First Semester ends and Registration for Second Semester begins.</p> <p><i>Wednesday</i>, Washington's Birthday.</p> <p><i>Wednesday</i>, Noon, Easter Recess begins.</p> <p><i>Wednesday</i>, Noon, Easter Recess ends.</p> <p><i>Tuesday</i>, Decoration Day. Holiday.</p> <p><i>Wednesday to Friday</i>, General Final Examinations.</p> <p><i>Friday, 10 A.M.</i>, Meeting of the Executive Committee of the Board of Trustees.</p> <p><i>Saturday, 9:30 A.M.</i>, Annual Meeting of the Board of Trustees in Gettysburg.</p> <p><i>Saturday, 10 A.M.</i>, Baseball Game.</p> <p><i>Saturday</i>, Alumni Class Reunions.</p> <p><i>Saturday, 3 P.M.</i>, Senior Class Day Exercises.</p> <p><i>Saturday</i>, Noon, Alumni Collation.</p>

COLLEGE CALENDAR

1932 · 1933 · 1934

1933	
June 11	<i>Sunday, 10:45 A.M., Baccalaureate Sermon.</i>
June 12	<i>Monday, 10 A.M., Commencement Exercises.</i>
	SUMMER VACATION
September 18	<i>Monday, 9 A.M., Registration of New Students.</i>
September 18	<i>Monday, Beginning of Freshman Orientation Classes and Entrance Examinations.</i>
September 21	<i>Thursday, 9 A.M., Registration of Old Students.</i>
September 21	<i>Thursday, 11 A.M., Formal Opening Exercises in Brua Chapel. College Year begins.</i>
September 22	<i>Friday, 7:45 A.M., College Classes begin.</i>
September 22	<i>Friday, 8 P.M., Y. M. C. A. Reception.</i>
November 29	<i>Wednesday, Noon, Thanksgiving Recess begins.</i>
December 4	<i>Monday, 7:45 A.M., Thanksgiving Recess ends</i>
December 5	<i>Tuesday, 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.</i>
December 16	<i>Saturday, Noon, Christmas Recess begins.</i>
1934	
January 3	<i>Wednesday, 7:45 A.M., Christmas Recess ends.</i>
January 24 to February 1	<i>Wednesday to Thursday. Examinations closing First Semester.</i>
February 3	<i>Saturday, 7:45 A.M., First Semester ends and Registration for Second Semester begins.</i>
February 22	<i>Thursday, Washington's Birthday. Holiday.</i>
March 28	<i>Wednesday, Noon, Easter Recess begins.</i>
April 4	<i>Wednesday, Noon, Easter Recess ends.</i>
May 30	<i>Wednesday, Decoration Day.</i>
June 11	<i>Monday, Commencement.</i>

HISTORICAL

THE Charter of Gettysburg College was approved April 7, 1832. The opening paragraphs are as follows: "WHEREAS, the literary and scientific institution in Gettysburg, Adams County, in this Commonwealth, known by the name of Gettysburg Gymnasium, is resorted to by a large number of young men from different portions of this State, and elsewhere, and promises to exert a salutary influence in advancing the cause of liberal education; therefore,

"SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, That the Gettysburg Gymnasium be, and hereby is erected into a College, for the education of youth in the learned languages, the arts, sciences and useful literature.

"SECTION 2. And be it further enacted by the authority aforesaid, That the style and title of said College shall be 'Pennsylvania College of Gettysburg'* . . . "

The College in a large measure grew out of the necessity of properly preparing men for the Theological Seminary, established in 1826 at Gettysburg. This purpose has never lessened, and to-day the institution regards this as an important feature of its work and offers special opportunities to young men preparing themselves for theological studies. Gettysburg College in its beginnings and its history is closely identified with the Lutheran Church.

The College began without endowment, with one small building (now a residence on the southeast corner of Wash-

* On Nov. 14, 1921, the name was changed to Gettysburg College.

GETTYSBURG COLLEGE


ington and High streets), and a small attendance. But the enthusiasm of its able instructors, the loyalty and self-sacrifice of its officers, students, and alumni, and the devotion of its friends have made its history one of steady and continuous growth.

Gettysburg College is fully accredited by the Association of American Universities, and is given an "A" rating by the University of Illinois. The College is also fully accredited by the Department of Public Instruction of Pennsylvania, by the Board of Regents of the State of New York, and by the Association of Colleges and Secondary Schools of the Middle States and Maryland.

Following is a list of the Presidents of the College from its foundation to the present time:

1832-'34	SAMUEL S. SCHMUCKER, D.D.	<i>Founder</i>
1834-'50	CHARLES PHILIP KRAUTH, D.D.	<i>1st President</i>
1850-'68	HENRY L. BAUGHER, D.D.	<i>2nd President</i>
1868-'84	MILTON VALENTINE, D.D., LL.D.	<i>3rd President</i>
1884-'04	HARVEY W. MCKNIGHT, D.D., LL.D.	<i>4th President</i>
1904-'10	S. G. HEFELBOWER, PH.D., D.D., LL.D.	<i>5th President</i>
1910-'23	WILLIAM A. GRANVILLE, PH.D., LL.D.	<i>6th President</i>
1923-	HENRY W. A. HANSON, D.D., LL.D.	<i>7th President</i>

LOCATION

ETTSBURG is situated in the beautiful rolling country a few miles east of the South Mountain range of the Blue Ridge Mountains. The situation is healthful, and there is a good supply of filtered water. The town is readily reached from all directions by the Reading and the Western Maryland Railways, which connect at Harrisburg, Pa., and Baltimore, Md., with the railway systems of Pennsylvania and the South, and by auto bus lines from Harrisburg, York, Hanover, Chambersburg, and Littlestown. Washington, Baltimore, Harrisburg, York, Hagerstown, Chambersburg, Carlisle, and other centers are connected with Gettysburg by state highways, making it an important automobile tourist center. The Coast-to-Coast Lincoln Highway passes through Gettysburg.

The historic association of Gettysburg with the Civil War gives the locality great interest. The events of the Battle of Gettysburg, July 1-3, 1863, are recorded on nearly 3000 monuments and markers, many of them being of large size and of artistic merit. The battlefield is a National Military Park, having come under Federal control and management in 1895. The whole terrain comprises twenty-four square miles in the main field and fifteen square miles in the cavalry field, which is several miles east of the town. The United States Government owns a total of 2530 acres of this land. The battlefield is accessible by twenty-two miles of improved connecting roads. Many examples of intrenchments, lunettes, and other defensive works have been preserved. Situated on the southern edge of the town is the Gettysburg National Cemetery, at the dedication of which Lincoln made his memorable Gettysburg Address.

BOARD OF TRUSTEES

ELECTED

1893	JOHN WAGNER, D.D.*	<i>Hazleton</i>
1897	WILLIAM A. SHIPMAN, D.D.*	<i>Johnstown</i>
1902	CHARLES BAUM, M.D., Ph.D.	<i>Philadelphia</i>
1907	MARTIN H. BUEHLER	<i>Glens Falls, N. Y.</i>
1907	HON. R. WILLIAM BREAM	<i>Gettysburg</i>
1907	ALPHEUS EDWIN WAGNER, D.D.	<i>Hallam</i>
1908	FRANK E. COLVIN, ESQ.	<i>Bedford</i>
1908	JOHN F. DAPP	<i>Harrisburg</i>
1908	GEORGE B. KUNKEL, M.D.	<i>Harrisburg</i>
1910	CHARLES J. FITE	<i>Pittsburgh</i>
1913	HON. LUTHER A. BREWER	<i>Cedar Rapids, Ia.</i>
1914	FREDERICK H. KNUBEL, D.D., LL.D.	<i>New York, N. Y.</i>
1914	PERCY D. HOOVER, M.D.	<i>Waynesboro</i>
1915	HARVEY C. MILLER	<i>Philadelphia</i>
1916	JOHN B. McALISTER, M.D.	<i>Harrisburg</i>
1917	JEREMIAH ZIMMERMAN, D.D., LL.D.	<i>Syracuse, N. Y.</i>
1918	LOUIS S. WEAVER, M.D.	<i>York</i>
1921	HARRY C. HOFFMAN, M.D.*	<i>Connellsville</i>
1921	JOSEPH B. BAKER, D.D.*	<i>York</i>
1922	CHARLES T. LARK, ESQ.	<i>New York, N. Y.</i>
1923	HENRY W. A. HANSON, D.D., LL.D.	<i>Gettysburg</i>
1923	GEORGE H. HUMMEL*	<i>York</i>
1929	PAUL B. S. RICE	<i>Harrisburg</i>
1929	CHARLES M. A. STINE, Sc.D.	<i>Wilmington, Del.</i>
1932	JOHN F. BEERITZ	<i>Somerset</i>
1932	HOWARD H. BEIDELMAN, D.D.	<i>Hanover</i>
1932	J. McCREA DICKSON, M.D.*	<i>Gettysburg</i>
1932	AMOS E. TAYLOR, Ph.D.	<i>Washington, D. C.</i>

* Designated as Alumni Trustees, having been elected on nomination by the Alumni Association.

GETTYSBURG • PENNSYLVANIA

Officers

MARTIN H. BUEHLER	<i>President</i>
JOHN B. McALISTER, M.D.	<i>Vice-President</i>
PERCY D. HOOVER, M.D.	<i>Secretary</i>
GETTYSBURG NATIONAL BANK	<i>Treasurer</i>

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127 West Lincoln Avenue

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313 North Stratton Street

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College Treasurer

10 York Street



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President

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* Absent on leave 1933-'34 (first semester).

GETTYSBURG • PENNSYLVANIA

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123 Springs Avenue

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Alumni Secretary

315 North Stratton Street

EDWARD S. FREY, A.B.

College Y.M.C.A. Secretary

Robert Weidensall Y.M.C.A. Hall

Assistants

MISS MARY H. HIMES, A.M.

Assistant in Library

130 Carlisle Street

MISS CARRIE MUSSELMAN

Assistant in Library

33 West Middle Street

GETTYSBURG COLLEGE

MISS CLARA M. SCHMITT

Secretary to the President

Eberhart Apartments

MISS MILDRED H. HARTZELL

Secretary to the Dean

46 East Lincoln Ave.

MISS ROSIE B. ARMOR

Secretary to the Alumni Secretary

105 East Middle Street

MRS. MARGARET MILLER

Graduate Nurse

College Infirmary

LAWRENCE B. MORRIS

Chief Proctor

211 Pennsylvania Hall

GORDON D. WHITCRAFT

Assistant Proctor

321 Pennsylvania Hall

COOLIDGE A. KARNS

Assistant Proctor

240 McKnight Hall

ALBERT M. JONES

Chapel Proctor

Sigma Chi House

HERBERT W. SCHROEDER

Assistant to the Registrar

Theta Kappa Nu House

TAYLOR P. REEDER

HERBERT S. STARE

Assistants to Y.M.C.A. Secretary

Robert Weidensall Y.M.C.A. Hall

JOHN B. HAMILTON

Plant Engineer

128 N. Washington Street

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Committees of the Faculty

Admission to Freshman Class

STOVER, CLUTZ, ARMS

Advanced Standing

STOVER, TILBERG

Freshman Scheduling

STOVER, REEN, MILLER, SALTZER

Curriculum

ZINN, TILBERG, GRIMM, SANDERS, CLUTZ, KRAMER,
CLINE, SABY, GLENN

Scholastic Standing

TILBERG, GRIMM, ARMS, REEN

Hour Schedule

CLINE, CLUTZ, KRAMER, BILHEIMER, REEN

Bulletin

STOVER, TILBERG, REEN, MASON

College Discipline

SANDERS, TILBERG, WALTEMYER

Student Absences

TILBERG, CLINE, REEN

Advanced Degrees

STOVER, ARMS, KRAMER, CLINE, ZINN

Library

GRIMM, BACHMAN, LARKIN, KNICKERBOCKER

Students' Publications

CLINE, WALTEMYER, SABY

Supervision of Finance of Student Organizations

SABY, CLINE, SANDERS, TILBERG

GETTYSBURG COLLEGE

Supervision of Social Functions

TILBERG, GLENN, REEN

Student Organizations

KRAMER, TILBERG, GLENN

College Musical Organizations

SHAFFER, SALTZER

Representatives on Athletic Council

ARMS, CLINE

Athletic Council

GEORGE H. HUMMEL

Alumni Representative, President

JOHN E. MEISENHOLDER

Alumni Representative, Vice-President

CLAYTON E. BILHEIMER

Athletic Director, Secretary

GETTYSBURG NATIONAL BANK

Treasurer

RICHARD A. ARMS

Faculty Representative

THOMAS L. CLINE

Faculty Representative

WILLIAM D. COWELL

LAWRENCE B. MORRIS

Student Representatives

PERCY D. HOOVER, M.D.

Representative of the Board of Trustees

MARTIN H. BUEHLER

Ex-officio, President of the Board of Trustees

HENRY W. A. HANSON

Ex-officio, President of the College

ADMISSION

Application for Admission

PERSONS desiring to enter the College should make written application for admission on an official certificate form to be obtained from the Registrar. In the application they should present evidence of a good moral character and of the fulfillment of the entrance requirements, and state the degree for which they will be candidates. A student coming from another institution must present a certificate of good standing and honorable dismissal. Only men students may be admitted.

An applicant who states in his application that he will not be a candidate for a degree will, if admitted, be enrolled in the list of "Students not Candidates for a Degree" and be permitted to take only such work as he is prepared to pursue to advantage; however, this work must include Orientation, English A, and Military Science or Physical Education.

All changes of enrollment with reference to degrees require that the candidate must make application for, and satisfy the requirements of, the degree for which he becomes a candidate.

Methods of Admission

A student is admitted either by *examinations* held on the Monday preceding the formal opening of the College in September, or by presenting a *certificate* from an approved secondary or high school or from an approved private instructor. The certificate must state the amount of work done and the time spent on each subject, together with the grades received. To insure the presentation of the necessary information for the Committee on Admission to Freshman Class all

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certificates and applications for admission should be presented on the official forms, which may be obtained from the Registrar. These certificates should be filled out and returned to the Registrar before the beginning of the college year.

Registration

Every student must call at the Registrar's office at the beginning of the college year to secure instructions in regard to registration and enrollment in classes, and must attend to the details according to the instructions given.

A new student must sign the matriculation pledge and pay the registration fee of five dollars. Every one, whether a new student or one previously in attendance, must register at the beginning of each year. Registration after the periods announced is penalized by the imposition of a fee of five dollars, with an added fee of one dollar for each day of tardiness. Any student entering late will be held responsible for making up all work from the beginning of the semester. No student will be permitted to register later than two weeks after the appointed registration days, except by special permission of the Faculty.

Requirements for Admission

Only those are admitted who are graduates of a standard high school or who present evidence of having equivalent preparation.

The scholarship requirement for admission to the Freshman class is the satisfactory completion of fifteen units of work, of which three units must be in English and two units in Mathematics. A unit of work in any subject is the amount of work done in a standard secondary school in a year of thirty-two weeks with five recitation periods per week of forty-five minutes each. No student will be admitted as a candidate for any degree who does not fully satisfy these requirements. To make up the total of ten units in addition to the five units

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of prescribed English and Mathematics, the applicant for admission may offer any subjects given in an approved secondary or high school as listed below.

Although English and Mathematics are the only subjects specifically prescribed for admission to the College, a student may pursue only those subjects in the college curriculum for which he has had adequate preparation. Prerequisite studies not offered for entrance must be taken before the college studies for which they are prerequisite may be taken, and such prerequisite studies are not accredited toward graduation.

Applicants for admission as "Students not Candidates for a Degree" who do not present the full requirements of fifteen units can be admitted only by Faculty action.

Rating of Subjects for Admission

ENGLISH

Grammar, composition, and literature, as recommended by the National Conference on Uniform Entrance Requirements.....3 units

MATHEMATICS

A. Algebra—to quadratics.....1 unit
B. Algebra—quadratics and beyond..... $\frac{1}{2}$ or 1 unit
C. Plane Geometry.....1 unit
D. Solid Geometry..... $\frac{1}{2}$ unit
E. Plane Trigonometry..... $\frac{1}{2}$ unit
F. Unified Mathematics..... $\frac{1}{2}$ or 1 unit

GREEK

A. Grammar and four books of Xenophon.....2 units
B. Composition, three books of Homer, and sight translation.....1 unit

LATIN

A. First and second year.....2 units
B. Third year.....1 unit
C. Fourth year.....1 unit

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*FRENCH

One to three years.....1 to 3 units

*GERMAN

One to three years.....1 to 3 units

*SPANISH

One to three years.....1 to 3 units

HISTORY

United States..... $\frac{1}{2}$ or 1 unit

English..... $\frac{1}{2}$ or 1 unit

Ancient..... $\frac{1}{2}$ or 1 unit

Medieval..... $\frac{1}{2}$ or 1 unit

Modern European..... $\frac{1}{2}$ or 1 unit

ECONOMICS..... $\frac{1}{2}$ or 1 unit

SOCIOLOGY..... $\frac{1}{2}$ or 1 unit

CIVICS..... $\frac{1}{2}$ or 1 unit

PROBLEMS OF DEMOCRACY..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, POLITICAL AND PHYSICAL..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, COMMERCIAL..... $\frac{1}{2}$ or 1 unit

COMMERCIAL LAW..... $\frac{1}{2}$ or 1 unit

PHYSIOLOGY..... $\frac{1}{2}$ or 1 unit

CHEMISTRY

One year with laboratory work.....1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

PHYSICS

One year with laboratory work.....1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

BIOLOGY (*Botany, Zoölogy*)

One year with laboratory work.....1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

GENERAL SCIENCE..... $\frac{1}{2}$ or 1 unit

* College credit is not allowed for an "A" course taken in college if this work has been accepted for entrance credit.

The candidate may offer not more than a total of three units from: Agriculture, Mechanical Drawing, Shop Work, Bookkeeping, Typewriting, Stenography.*

Admission to Advanced Standing

A student who has matriculated at another institution of college rank and applies for admission to Gettysburg College, is required to submit to the Registrar evidence of work pursued and a letter of honorable dismissal. If the record shows that his work has been done with an average of not less than "C" grade, and with such a grade as would have permitted his continuance as a student at Gettysburg College, the applicant may be admitted to advanced standing.

Advanced credit is given for courses taken *in the regular session* of a college on the approved list of The Association of American Universities, or of the University of Illinois. Students from other colleges are subject to examinations in those courses for which they wish to obtain advanced credit.

A former student of Gettysburg College may be readmitted and given advanced credit on the same conditions.

Work taken in the summer session of an approved institution is recognized without examination provided previous arrangement for taking such work has been made with the Registrar.

No one is admitted to college after the beginning of the Senior year, except by special action of the Faculty.

* 240 hours in these subjects constitutes a unit.

CURRICULUM

Degrees



COURSES of study consist of four years of college work, and lead to the degree of Bachelor of Arts, or to the degree of Bachelor of Science in Engineering. Each candidate for a degree must absolve the specified requirements of majors, minors, and electives together with the general requirements as prescribed.

Freshman Counselors

When a student is admitted to the College, the Dean designates some member of the Faculty as his special counselor. Weekly conferences are arranged in an effort to aid the student in solving the problems connected with his first year in College.

Advisers

When the student chooses his major subject, the professor in charge of that department becomes his adviser and continues as such thruout his course. The adviser is the medium of communication between the student and the Faculty and may be consulted in all matters. Each year the student must secure his adviser's approval of his study list.

Courses and Credits

The courses of instruction are given in detail on pages 39-98. The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour per week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork), drawing, shopwork or field work, per week for one semester. Credit for one semester's work, in a course

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running thru the year, is given only on the written recommendation of the department concerned.

A record is kept of the work done by each student, giving the semester hours and the grades. The grades of scholarship are designated as follows: A (excellent); B (good); C (fair); D (poor, barely passed); E (failed, but entitled to a re-examination); and F (failed utterly and must repeat with the next class). In addition to these grades a student's record may show a subject marked "Inc," meaning "incomplete." This notation is given in all cases where the grade is passing, but is withheld.

Each student who graduates will, on request in person, be furnished with a certified copy of his college record. A request for such certificates, when these are to be furnished in duplicate or thru correspondence, should be accompanied by a remittance of one dollar. Students who leave college before graduation and who are in good standing are entitled to certificates on the same terms.

Report

A report of the student's work is sent to his parents or guardian at the end of each semester. If a student is doing unsatisfactory work his parents or guardian may be notified at any time.

Choice of Courses and Enrollment

Most of the studies in the Freshman and Sophomore years are prescribed, but in the Junior and Senior years the student has a choice of subjects under the major and minor system. The list of subjects selected by the student for the ensuing year (including the major subject, the minors, and the electives), approved by the adviser, must be filed by the student in the Registrar's office each year, except the Senior year, on or before a date (in May) to be announced. The study list must include any subjects in which the student may have incurred a deficiency. The student will receive no credit in classes in which he is not properly enrolled.

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After the first week of the year changes in the student's study list can be made only with the written consent of his adviser and of the instructors concerned and with the approval of the *Committee on Scholastic Standing*. No regular student may drop a subject without permission of the *Committee on Scholastic Standing*; failure to secure such permission will be regarded as a deficiency in that subject.

A candidate for a degree is not allowed to take less than twelve semester hours except by special action of the *Committee on Scholastic Standing*. In the case of a student assistant doing actual teaching, such teaching may be counted as part of his schedule.

A student who has been enrolled as a candidate for a degree may not change his status except on written request from his parents or guardian.

Maximum Schedules

A Freshman is limited in his enrollment to fifteen semester hours. No student whose record during the preceding year shows a majority of grades below B will be allowed to take during the Sophomore year more than sixteen semester hours of work, or during the Junior or Senior years more than sixteen semester hours per semester in the case of a candidate for the A.B. degree, or more than the semester hours scheduled for the Engineering students in the Junior and Senior years.

During one year (either Junior or Senior) a student *may be permitted* to take a maximum of thirty-six semester hours, or not more than eighteen hours for one semester, *provided he has obtained the permission of the Committee on Scholastic Standing*. Students, except those mentioned in the next paragraph, are allowed a schedule of not more than 128 credit hours in four years.

If the student's record during the preceding year shows a majority of grades (reckoned by semester hours) A or B and none below C, he will be permitted to carry eighteen semester hours, or an additional three-semester-hour course. Students

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whose record during the preceding year shows a majority of grades A and nothing below B (i.e., honor students) are allowed to take twenty semester hours in the Junior year and twenty-one semester hours in the Senior year.

An extra tuition fee of ten dollars is charged for each semester hour of college work in excess of sixteen semester hours per semester, or in excess of the semester hours required by the schedule, if these be in excess of sixteen. This includes excess hours taken for any reason. All tuition fees which a student may have paid in excess of the regular tuition for eight semesters is refunded at time of his graduation.

Class Rating and Scholarship Deficiencies

A student will not be advanced in class enrollment (or rating) at the beginning of any year if he is deficient in quality points or in as much as one-third of the previous year's work (reckoned by semester hours); and if on October 20 he is still thus deficient his rating will not be advanced during that academic year.

Majors and Minors

Each candidate for the Degree of Bachelor of Arts should choose as early as possible, and not later than the Spring Registration date of the Sophomore year, a major subject on which he intends to concentrate, one minor subject related to the major, and a second minor subject not related to the major. As soon as the choice of major has been certified by the Registrar, the professor in charge of the major subject becomes the student's adviser and continues as such until the end of the Senior year. The adviser must approve a list of studies for the student for each year, including the major and minors and electives, which list must be given to the Registrar on or before the date of Spring Registration. The major subject may not be changed except at Spring Registration or at the beginning of the college year, and then only with the approval of the instructors concerned and the Registrar.

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A major consists of at least twenty-four* semester hours in a single subject. A minor consists of at least twelve semester hours in a single subject and may not include "A" courses. The following subjects may be chosen as majors:

Biology	French	Mathematics
Chemistry	German	Philosophy
Economics	Greek	Physics
Education	History	Political Science
English	Latin	Spanish

Requirements for the Bachelor's Degree

The Bachelor's Degree will be conferred upon the student who, being properly enrolled as a candidate, fulfills the following requirements:

(1) He must satisfactorily complete 120 semester hours of work.

(2) He must earn as many Quality Points as semester hours.†

(3) He must complete the prescribed work as indicated on pages 30-31 and 34-37, including all preparatory or prerequisite work, and the major, minors, and electives approved by his adviser.

(4) He must complete in residence one academic year of two consecutive semesters (not less than thirty semester hours).

(5) He must deposit with the Registrar not later than October 15 preceding the date of his expected graduation a written statement indicating the date when he expects to complete his work, the degree for which he is a candidate, and his major subject.

(6) *He must remove all conditions and failures by the end of the first semester of his Senior year.* Work that can be passed, for graduation at the expected time, only by repeating the course during the second semester of the Senior year will be considered as not coming under this rule.

(7) He will not be graduated if he is absent from the Commencement exercises except by special action of the Faculty.

* In special cases, by approval of the Curriculum Committee, this may include "A" courses and courses allied to the major.

† For a complete statement of the Quality Point rule, see page 109.

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Prescribed Work for the Degree of Bachelor of Arts

The requirements for the Bachelor of Arts degree provide for a liberal distribution as well as concentration for mastery in a given field.

For *distribution* the following is required of all students:

		SEMESTER HOURS
Orientation		3
English A.....		6
English Bible 1.....		3
Problems of Life (Senior Course).....		3
Comprehensive Examination (beginning with 1934-'35; required of Seniors).....		0
Military Science or Physical Education—2 Years....		0
French and Spanish*	}	12 semester hours in two..... 12
German*		
Greek*		
Latin*		
Mathematics (Pure)	}	12 semester hours in at least two†..... 12
Philosophy		
Pol. Sci. and Econ.		
History		
English Literature	}	12 semester hours in at least two†..... 12 (at least 6 semester hours to be a foreign language in the original)
Latin Literature		
Greek Literature		
German Literature		
French Literature		
Spanish Literature	}	12 semester hours in two..... 12
Biology 1		
Chemistry 1		
Physics 1		
Total for distribution.....		63

* Above the "A" course.

† 6 and 6 preferred, but may be 6, 3 and 3 at discretion of the adviser.

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For *concentration* each student is required to absolve one major of twenty-four hours in one subject, one minor of twelve hours in the same group as the major, a second minor of twelve hours outside the group of the major. "A" courses may not be counted.* Following is the arrangement of groups for the major and minor concentration:

GROUP 1	GROUP 2	GROUP 3
English	Philosophy	Mathematics (Pure)
Latin	Pol. Sci. and Econ.	Biology
Greek	History	Chemistry
German	Education	Physics
French	Bible	
Spanish		

The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time within the student's time of residence.

Notes on the Curriculum

1. A student is not allowed to take the beginning course in more than one foreign language in the freshman year.
2. Those electing Military Science are required to continue it for two years (this is one of the requirements for graduation).
3. When a language is continued, an "A" course must be followed by course 1 the next year.
4. Students intending to take a major in Mathematics or Physics will normally take Physics in the Freshman year. Pre-medical students and those intending to take a major in Biology or Chemistry will take the beginning course in their major subject; other students may elect any one of the three sciences.

Courses under the Major and Minor System

A variety of courses of study may be arranged under the different majors in the above list by the choice of minors and electives to meet a wide range of requirements. Suggestions for a few such courses are given on following pages.

* In special cases, by approval of the Curriculum Committee "A" courses may be counted.

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Classical Course

Those desiring to pursue a classical course will select a major in Greek or Latin and a minor in Latin or Greek. Students who enter the College with the intention of preparing for the Christian ministry are urged to take this course.

Business Administration

Those who are looking forward to a business career will as a rule major in Economics and Business Administration. The courses here offered are of a liberal type as distinguished from the vocational or professional, and aim to give a broad, general training in the field of business and economics. Suggested courses are listed on page 36.

Courses in Preparation for Technical Positions

Besides the courses in Civil, Electrical, and Mechanical Engineering, intended to fit men for technical and industrial positions in those lines, courses may be arranged with Chemistry as a major, which will well prepare men to fill the many positions in industrial or applied chemistry; or courses with Physics as a major, which will prepare for similar positions in applied physics.

Courses for Prospective Teachers

A student preparing to teach should choose as his major the subject he prefers and expects to teach. He should choose as his minor the subject that is his second choice. His electives should include subjects for general cultural training and courses in Education. He should see that he satisfies the school code requirements of the state in which he expects to teach.

Gettysburg College, for the year 1931-'32, made a considerable break with tradition in the arrangement of the Education courses. A minimum list of topics was made. This list included all the skills, viewpoints, information, etc., which the college feels all prospective high school teachers

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should have. These topics were then distributed among the several courses, wherever they seemed best to fit in sequence, largely disregarding the traditional names of courses.

This was done to overcome two very annoying difficulties of long standing:

1. The insistence by State Departments upon courses under certain titles, these varying among the States.

2. The consequent duplication of work in these courses.

In the new arrangement there is no actual duplication of work. Where the topic appears twice, a different phase of the work is taken each time.

The list of topics was submitted to the several State Departments chiefly concerned for their approval. Pennsylvania and New York State have given their approval.

Those intending to teach should take the following courses, and as nearly in the sequence given as possible:

Sophomore year, 1st semester, Ed. 1b.....	3 sem. hrs.
2nd semester, Ed. 32.....	3 sem. hrs.
Junior year, 1st semester, Ed. 5.....	3 sem. hrs.
2nd semester, Ed. 25.....	3 sem. hrs.
Senior year, 1st semester, Ed. 33.....	3 sem. hrs.
Either semester, Ed. 11.....	3 sem. hrs.

General Psychology (Philosophy 1) is a prerequisite. This should be taken in the Sophomore year, if possible.

Students are not recommended to teach any subject in which their average is below B.

Pre-Medical Course

Those who are preparing to study medicine should major in Biology or Chemistry.

Pre-Legal Course

Those who after graduation expect to study law should major in Political Science and take as minors Economics and History.

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Prescribed Work for the Degree of Bachelor of Science in Engineering

FOR ENTRANCE REQUIREMENTS SEE PAGE 85

COURSES REQUIRED OF ALL ENGINEERS

	SEMESTER HOURS
English A.....	6
English Bible 1.....	3
Orientation.....	3
Literature	12
Language	
History	
Philosophy	
Political Science 1.....	3
Economics 1 and 105.....	6
Chemistry 1.....	6
Mathematics 4a, 4b and 6.....	16
Physics 1 and 3.....	12
Military Science or	0
Physical Education (2 years)	
Engineering 1, (Mechanical Drawing).....	4
Engineering 2, (Graphics).....	2
Engineering 3, (Mechanics).....	6
Engineering 5, (Hydraulics).....	3
Engineering 6, (Strength of Materials).....	7
Engineering 7, (Elements of Electrical Engineer- ing).....	5
CE-A, (Elementary Plane Surveying).....	3
CE-21, (Contracts and Specifications).....	1
CE-26, (Engineering Seminar).....	2
CE-27, (Engineering Economics).....	6
ME-36, (Heat Power Engineering).....	6
Total.....	112

Additional courses required for the majors listed:

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Civil Engineering

	SEMESTER HOURS
Engineering 2, (Graphics).....	2
CE-11, 12, (Plane Surveying).....	6
CE-13, (Surveying).....	2
CE-17, (Railroads).....	2
CE-18, (Structural Design).....	6
CE-19, (Structural Design).....	6
CE-23, (Highways).....	2
Elective.....	<u>3</u>
Total.....	29

Electrical Engineering

ME-31, 32, (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-35, (Machine Design).....	3
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
EE-45, (Theory of Electrical Machinery).....	6
EE-46, (Characteristics of Electrical Machinery).	3
EE-47, (Electrical Engineering Laboratory).....	<u>2</u>
Total.....	29

Mechanical Engineering

ME-31, 32 (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-35, (Machine Design).....	6
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
Elective.....	<u>9</u>
Total.....	30

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	Civil Engineering		Electrical Engineering		Mechanical Engineering	
Year	Re-quired	Max-imum	Re-quired	Max-imum	Re-quired	Max-imum
Freshman.....	33	33	33	33	33	33
Sophomore.....	36	36	37	37	37	37
Junior.....	36	39	36	39	36	39
Senior.....	36	39	35	38	36	39
Totals.....	141	147	141	147	142	148

In order to obtain the degree of Bachelor of Science in Engineering the student must have completed satisfactorily the total work and semester hours as scheduled above, and have as many Quality Points as semester hours.

Courses Suggested for Business Administration Students

Freshman Year

	SEMESTER HOURS
English A.....	6
Orientation.....	3
English Bible 1.....	3
Modern Language.....	6
Mathematics 1, 2.....	6
Economics A, (Accounting).....	4
Economics B, (Introduction to Business).....	2
Military Science or Physical Training.....	0
Total.....	30

Sophomore Year

Political Science 1, (American Government).....	3
Economics 1, (Principles).....	3

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	SEMESTER HOURS
Mathematics 11, (Mathematics of Investment)...	3
Mathematics 13, (Statistics).....	3
Electives.....	18
Military Science or Physical Education.....	<u>0</u>
Total.....	30

Junior Year

Economics 2, (Money and Banking).....	3
Economics 7, (Labor Problems).....	3
Economics 112, (Market Organization).....	3
Economics 17, (Commodity Marketing).....	3
Political Science.....	6
Electives.....	<u>12</u>
Total.....	30

Senior Year

Economics 6, (Business Organization).....	3
Economics 8, (Corporation Finance).....	3
Economics 9, (Transportation).....	3
Economics 16, (Public Utilities).....	3
Economics 5, (Business Law).....	3
Political Science 6, (Business and Government)...	3
Electives.....	<u>12</u>
Total.....	30

Students in Economics and Business Administration will also be specially interested in Mathematics 15 (Costs and Depreciation), and Philosophy 12 (Psychology of Business and Industrial Management).

The Master's Degree

Work leading toward the Master's Degree is offered only in the Summer School. For particulars consult the Summer School Bulletin.

COURSES OF INSTRUCTION

Bible

(SEE ENGLISH BIBLE)

Biology

Professor MARSH and Assistant

A major in Biology includes courses 1, 2 or 3, 4 or 5, and additional work to aggregate a total of twenty-four semester hours.

1. GENERAL BIOLOGY—A course designed to give the student a conception of the fundamental facts and theories of biological science. The course includes a study of such typical examples of plants and animals as are suitable to demonstrate the basic principles of structure and function of living organisms. The laboratory work includes, in addition to the study of specimens, instruction in simple methods of preparing materials upon which the laboratory studies are made.

*Three periods and three laboratory hours thruout the year.
Credit of six semester hours.*

Sec. 1, M. W. F.	11	Lab. M.	1
Sec. 2, Tu. Th. S.	11	Lab. Tu.	1
Sec. 3, M. W. F.	7:45	Lab. W.	1
Sec. 4.		Lab. Th.	1

2. VERTEBRATE ZOÖLOGY—The course is based upon a careful laboratory study of representative forms of the vertebrates. Special emphasis is placed upon the comparative anatomy of the forms studied, the general physiological function of the organs, and the relationships

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existing among the various groups, based upon their evolutionary development.

*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

3. ANATOMY—A course of comparative mammalian anatomy and the elements of human anatomy and physiology. The course is based upon a careful study of the human skeleton and a thoro dissection of a typical mammal.

*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

Alternates with course 2. Not given 1933-'34.

4. EMBRYOLOGY—A course demonstrating the principles of vertebrate embryology, based upon the frog, chick, and pig. The work includes laboratory studies of the histology of adult reproductive organs, development and maturation of sex cells, segmentation, development of the germ layers and organs, and the formation of the external form of the body. The laboratory work includes the study of prepared slides, the preparation of whole mounts of chick embryos, and the technique of preparing serial sections and their use.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

5. HISTOLOGY—The work covers those structures ordinarily included in general histology, and includes a thoro study of the primary tissues and the main organs. Considerable time is given to the technique of slide preparation, from the living material to the finished slide. In addition to the slides prepared by himself, the student has access to the slide library. Course alternates with Embryology.

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Three periods and three laboratory hours, second semester.

Credit of three semester hours.

Alternates with course 4. Not given 1933-'34.

6. BOTANY—The course is intended to give the student an appreciation of the rôle of plants in nature, their general structures, physiological functions, and relations to man. The laboratory work includes the study of typical representatives of the main groups of plants, special attention being given to the bacteria, molds, and flowering plants. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 9 Lab. Th. 1

7. HISTORY OF BIOLOGY—This course is designed to give the student an appreciation of the historical growth of biological science, and, based upon this, a clearer appreciation of the present status of our knowledge of the various biological fields of study. The course presupposes a knowledge of technical laboratory training in several biological sciences in order to follow the course profitably. The work is based upon Locy's *Biology and Its Makers*. Work includes class exercises and library reading.

Three periods, second semester. Credit of three semester hours

M. W. F. 10

8. PHYSIOLOGY—A course of instruction in general physiology, dealing especially with the functions of Excretion, Digestion, Circulation, Respiration, and Reproduction, and the structures correlated therewith.

Three periods and two laboratory hours, first semester.

Credit of three semester hours.

Sec. 1, M. W. F. 10 Lab. W. 1

Sec. 3, M. W. F. 10 Lab. Th. 3

9. BIOLOGICAL SEMINAR—A course for advanced students and those preparing to teach. Work consists of reading

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and discussion of material appearing in the current journals, or reviews of recent books. Designed to familiarize the student with the use of scientific publications. *Two periods thruout the year. Credit of four semester hours.*

M. 6:30 P.M.

11. GENERAL BACTERIOLOGY—Nature and products of bacteria; their industrial applications; the bacteriology of soil, water, milk, and other food products. Laboratory technique; isolation and cultural studies of micro-organisms. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 11 Lab. S. 9

Personal and Public Hygiene

(BIOLOGY 12)

Professor STAHLEY

- A. Fundamental problems under the general caption of health conservation, effective for national prosperity through the hygienic habits of the ultimate citizen. *One period, first semester. Credit of one semester hour.*

F. 10

- B. Contagious diseases, the social peril of our day, and the place of heredity in race betterment. *One period, second semester. Credit of one semester hour.*

F. 10

Chemistry, Geology, and Mineralogy

Professor ZINN, Associate Professor STOVER, Assistant Professors SHEFFER and SLOAT, and Assistants

A major in Chemistry includes courses 1, 2, 3, 4.

The courses in Chemistry are not designed to prepare specialists in any department of the subject, but to give a general

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training in the science. The successful completion of these courses will prepare the student to enter on graduate or professional studies in any leading university, or qualify him for a more successful pursuit of any technical business, or fit him to teach Chemistry in secondary schools.

1. GENERAL CHEMISTRY—A study of the occurrences, properties, uses, and methods of preparation of the more common elements and their compounds and the theoretical principles involved.

Two lectures, one recitation, and three hours of laboratory work thruout the year. Credit of six semester hours.

Sec. 1, M. F.	10	W. 1	Lab. M. 1
Sec. 2, M. F.	10	W. 1	Lab. Tu. 1
Sec. 3, M. W. F.	10		Lab. Th. 1
Sec. 4, M. W. F.	10		Lab. F. 1

2. QUALITATIVE ANALYSIS—Study of the methods commonly used in the analysis of simple salts, mixtures of salts, and various commercial products.

One lecture and six laboratory hours thruout the year.

Credit of six semester hours.

Prerequisite: Chemistry 1 and Mathematics 1 and 2.

Sec. 1, Th. 9	Lab. M. Tu. 1
Sec. 2, Th. 9	Lab. M. Th. 1

3. QUANTITATIVE ANALYSIS—Essentially a laboratory course. Familiarity with the work and principles is sought by the solution of numerous problems. Lectures are given as found desirable.

Nine laboratory hours (including necessary lectures) thruout the year. Credit of six semester hours.

Prerequisite: Chemistry 1 and 2.

Lab. Tu. W. Th. 1

4. ORGANIC CHEMISTRY—Systematic study of the compounds of the aliphatic and aromatic series, including the

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preparation of a considerable number of these substances in the laboratory.

*Three lectures and six laboratory hours thruout the year.
Credit of ten semester hours.*

Prerequisite: Chemistry 1 and 2.

M. W. F. 9 Lab. M. Tu. 1

5. PHYSICAL CHEMISTRY—The atomic and kinetic theories, simple gas laws, determination of atomic and molecular weights, homogeneous and heterogeneous equilibria, phase rule, colloids, indicators, electrolytic conductance, law of "mass action," and electron conception of valence.
*Two lectures and three laboratory hours thruout the year.
Credit of six semester hours.*

Prerequisite: Chemistry 1 and 2, Physics 1, and Mathematics 3 and 5.

Tu. Th. 9 Lab. Th. or F. 1

6. SPECIAL QUANTITATIVE METHODS—Advanced and applied analysis, such as mineral, ore, and water analysis, the examination of foodstuffs and manufactured articles.
Hours and credit to be arranged.
Prerequisite: Chemistry 1, 2, and 3.

7. DYNAMICAL GEOLOGY—This course of lectures gives the student an acquaintance with the facts concerning inorganic geology, and a discussion of the dynamical agencies which have been operative in bringing the earth to the condition in which we now find it. Field work and the preparation of papers from personal observation and practical application to the work.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

8. HISTORICAL GEOLOGY—A comprehensive discussion of the principles of evolution, with illustrations from historic geology. The student is assigned readings from the text-

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books of Dana, Le Conte, Chamberlain and Salisbury, and other authors.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

9. MINERALOGY—Following a short course of practical work in Crystallography, there is a series of determinations of not less than one hundred minerals by their physical and blow-pipe characteristics.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: Chemistry 1.

Economics and Business Administration

Professor SABY and Associate Professor LARKIN

A major in Economics and Business Administration consists of twenty-four semester hours, six of which may, with the approval of the adviser, be taken in related fields outside the department.

- A. ELEMENTARY ACCOUNTING—This course aims to make clear accounting concepts and references to accounting procedure frequently encountered in our daily reading and especially in courses in Economics.

Freshman course. Two two-hour periods thruout the year. Credit of four semester hours.

Sec. 1, M. W. 1

Sec. 2, Tu. Th. 1

- B. INTRODUCTION TO BUSINESS—A survey of the development of economic society with particular emphasis on the growth of our American industries.

Freshman course. One period thruout the year. Credit of two semester hours.

F. 1

1. PRINCIPLES OF ECONOMICS—The purpose of this course is to give the student a thoro grounding in the

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principles of Economics as a preparation for further economic study and as an aid to intelligent citizenship.

Prerequisite for all other courses in Economics, except Economics A and B.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, second semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

2. MONEY AND BANKING—A study of the evolution of money and banking and an appraisal of our modern money and banking system, with special emphasis on the Federal Reserve System.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

107. LABOR PROBLEMS—The causes of industrial grievances and the various solutions offered by organized labor, employers, and social legislation.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 9

6. BUSINESS ORGANIZATION—A study of the various forms of business organization with special reference to the corporation, followed by an analysis and appraisal of the various forms of combination.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

108. CORPORATION FINANCE—A study of the financial methods of the average business enterprise in obtaining capital and of its policies in the administration of earnings. Attention is also given to the causes of business failure and the methods of reorganization.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Prerequisite: Economics 6.

M. W. F. 7:45

9. TRANSPORTATION—A survey of all types of American inland transportation, including rail, water, motor and air transport, with special emphasis on the problem of their coordination. Railway rate structure and regulation will be given careful consideration together with the problem of regulation of the other forms of transportation.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

M. W. F. 11

16. PUBLIC UTILITIES—A comprehensive study of public utilities—their history, characteristics, economic and social implications, present condition and probable future status. Includes an analysis of their valuation, rates of return and regulation.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. F. W. 11

112. MARKET ORGANIZATION—An introduction to the study of marketing followed by a brief treatment of the more important market functions and a description of the institutions set up in our market organization.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Not given 1933-'34.

17. COMMODITY MARKETING—A study of the marketing of agricultural, industrial and manufactured products in the light of the principles and policies discussed in Economics 112.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Prerequisite: Economics 112.

Not given 1933-'34.

105. BUSINESS LAW—This course is designed to give the student a knowledge of the legal rights and obligations arising out of common business transactions. The fundamental laws pertaining to contracts, partnerships, corporations, negotiable instruments, sales, etc., are examined.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 10

18. SENIOR READING COURSE—Supervised reading in the field of Economics and Business Administration.

Open to Seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours to be arranged.

Education

(SEE PAGE 32)

*Professors KRAMER and SANDERS, and Assistant Professor
JOHNSON*

A major in Education includes Courses 5, 11, 25, and any additional courses approved by the department to total twenty-four hours.

- 1B. HISTORY OF EDUCATION—Beginning with 1931-'32, this course has been a combination of general history of education and history of education in the United States. About nine periods will be given to presenting the ideas of changing aims, changing methods, outstanding educators of the old world who have influenced

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American education, ancient and mediaeval universities, academic costume and decorum, etc., and a comparison of European and American school systems. Some time will be given to a special study of the history of education in Pennsylvania, and also to that of Gettysburg College. The rest of the time will be given to the study of the history of education in the United States, largely following the topics given in Cubberly's *Public Education in the United States*. The topics will be treated in the light of their practical effect upon our schools. The underlying philosophy will also be stressed. *Sophomore course. Open to Juniors and Seniors. Three periods, first semester. Credit of three semester hours.*

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

2. PHILOSOPHY OF EDUCATION—This course seeks to discover the principles which should govern the aims and the methods of education. It takes into account the nature of man and his capacities for education, and the nature of society and the effects of education on social structure and direction. The course is based on a critical study of John Dewey.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 10

5. EDUCATIONAL PSYCHOLOGY—This course deals with the psychology of learning, educational measurements, intelligence tests, individual differences, etc.

Junior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sec. 1, M. W. F. 7:45

Sec. 3, M. W. F. 11

Sec. 5, M. W. F. 1

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11. **STUDENT TEACHING**—This course will require observation, participation, and actual teaching for one hour a day for the five school days, with one hour a week of conference in connection therewith. The observation, participation, and practice teaching will be done in the appropriate field, in a secondary school, under the direction of the teacher in charge, and under the supervision of one of the Education professors, to meet the requirements of the State of Pennsylvania.

Senior course. Six periods, first or second semester. Credit of three semester hours.

Prerequisite: Education 5 and 25.

The class meets for group conference Tu. 9, 10, 11.

25. **INTRODUCTION TO HIGH SCHOOL TEACHING**—Techniques of High School Teaching. This is an introductory course to the field of teaching in secondary schools, dealing largely with the techniques of teaching, etc.

Junior course. Three periods, second semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45

Sec. 3, M. W. F. 11

Sec. 5, M. W. F. 1

32. **SOPHOMORE COMBINATION COURSE**—The first third of the course is made up of those topics of Educational Sociology (formerly given as Ed. 12) not covered in other courses; some time will be given to Philosophy of Education not covered elsewhere; a considerable amount of time will be given to the topics usually covered by Principles of Secondary Education not covered elsewhere; and a considerable amount of time to the topics usually covered by Public School Administration not covered elsewhere. (Given for the first time in 1932-'33.)

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Sophomore course. Three periods, second semester. Credit of three semester hours.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

33. SENIOR COMBINATION COURSE—The course includes those phases of the courses mentioned below which have not been covered elsewhere:

Tests and Measurements, about 12 class hours,
Statistical Methods, about 7 class hours,
Teaching How to Study, about 6 class hours,
Extra-Curricular Activities, about 3 class hours,
The Morrison Plan, about 6 class hours,
Adolescent Psychology, about 3 class hours,
Visual Education, about 16 class hours.

The building up of a proper philosophy of education will be carefully watched throughout. (Given for the first time in 1931-'32.)

Senior course. Three periods, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 10

Sec. 3, M. W. F. 2

Various departments offer courses in methods. Consult the head of the Department of Education.

Gettysburg College has a chapter of Kappa Phi Kappa, the professional undergraduate national education fraternity. Membership is limited to upperclassmen definitely interested in teaching as a profession. Scholarship and leadership are the qualifications necessary.

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English

Professor CLINE, Assistant Professors WARTHEN and MASON,
and Mr. OSTROM

A major in English includes 1, 2A, 2B, 4, 6, and 10 or 12.

- A. ENGLISH COMPOSITION—This course includes a review of grammar, punctuation, and the mechanics of composition; practice in writing exposition, argument, description, and narration, in long and short themes, and in letters; and the parallel study of specimens, and of the principles of rhetoric as they apply to writing. Lectures, recitations, written exercises in the classroom and outside, and personal conferences.

Required course for all Freshmen. Three periods thruout the year. Credit of six semester hours.

Prerequisite: three units of entrance English.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 5, M. W. F. 10

Sec. 6, Tu. Th. S. 10

1. ENGLISH LITERATURE—This course consists of a survey of English Literature from "Beowulf" to Kipling.

Sophomore course. Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 10

- 2A. SHAKESPEARE—Careful study of eight or ten of the plays, with the more rapid reading of others, selected and arranged so as to give the student an insight into the development of Shakespeare's mind and art.

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Junior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

- 2B. THE ROMANTIC MOVEMENT—A study of the representative English prose and verse from 1790 to 1832.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

3. ENGLISH NOVEL—The year will be given to the study of the historical development of the English novel, the course being conducted as a seminar.

Open to Seniors majoring in English, and to others if library resources permit. Two periods thruout the year. Credit of six semester hours.

Tu. Th. 11

- 4A. CHAUCER—Reading of Chaucer's "Canterbury Tales" and other principal poems.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

- 4B. EIGHTEENTH CENTURY PROSE—Extensive reading in non-fiction prose by Defoe, Swift, Steele, Addison, Johnson, Burke, and other eighteenth-century prose masters.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 11

5. ARGUMENTATION AND DEBATING—A study of the substance and the forms of argumentative discourse, written and spoken; involving the principles of inductive and deductive logic, of sound and fallacious reasoning, of evidence, of the selection and use of materials, and of the best forensic and platform practice.

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Elective course open to members of class and college debating teams, and to qualified Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours. Not given 1931-'32.

Tu. Th. 10

6. AMERICAN POETS—The interpretation and analysis of the poetry of the chief American poets from William Cullen Bryant to Sidney Lanier, with reference readings in relevant critical prose and biography.

Elective course for all qualified students. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

9. MODERN DRAMA—A survey of modern drama from Ibsen to O'Neill.

Three periods, second semester. Credit of three semester hours.

M. W. F. 9

10. ENGLISH DRAMA—A survey course in the drama from the liturgical play to the rise of the New Drama.

Three periods, first semester. Credit of three semester hours. Not given 1931-'32.

M. W. F. 9

11. PRINCIPLES OF LITERARY CRITICISM—A study of the essentials of taste and literary appreciation.

Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

12. VICTORIAN POETRY. A study of the important poets of the nineteenth century from 1832 to 1900.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

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English Bible

Professor WALTEMYER and Mr. HERSHEY

1. LIFE OF CHRIST—A study of the external aspects of Christ's life as it presented itself to those who witnessed it, with a view to an understanding of its eternal significance. There is a preliminary and brief survey of the rise and progress of the Hebrew people with emphasis upon the religious truths which, through them, were communicated to the world in preparation for the advent of Christ. Required of all Freshmen.

Three periods, either semester. To be preceded or followed by Orientation the same year. Credit of three semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. BETWEEN THE TESTAMENTS—History of the Maccabean and Roman period to the fall of Jerusalem, affording a background for a study of the New Testament.

Open to Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours.

Tu. Th. 10

4. CHRISTIANITY AS HISTORY—An extension of the study of Christianity beyond its Biblical limits, as a continuous religious development from its New Testament origins to the present.

Junior and Senior course. Two periods, second semester. Credit of two semester hours.

W. F. 10

5. LITERARY STUDY OF THE BIBLE—The Bible as Literature. A study of its literary forms as a guide to appreciation of its inward spirit.

Open to Sophomores, Juniors, and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 10

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6. EVIDENCES OF CHRISTIANITY—A study of the theistic evidences and the proofs of the presence and action in the world of a supernatural redemptive power as these appear in the first Christian documents, and in Christian history, dealing with the questions which arise in the effort to intellectualize the content of the Christian revelation.

*Junior and Senior course. Two periods, first semester.
Credit of two semester hours.*

Tu. Th. 11

8. HISTORY OF RELIGIONS—A survey of the history and content of the great ethnic religions, with a view to their comparison with Christianity.

*Open to Juniors and Seniors. Two periods, second semester.
Credit of two semester hours.*

Tu. Th. 11

9. NEW TESTAMENT GREEK—See Greek 6.

10. NEW TESTAMENT HISTORY AND LETTERS—A study of the spread of Christianity from Jerusalem, through Palestine, to Antioch, through Asia Minor to Greece and then to Rome, with emphasis on the life and writings of Paul.

*Junior and Senior course. Two periods, first semester.
Credit of two semester hours.*

W. F. 10

Fine Arts

Professor CLUTZ

Survey courses treating the principal art epochs and endeavoring to show how the art of each period is the expression of its spiritual life.

- 1A. ARCHITECTURE.

One hour per week, first semester. Credit of one semester hour.

W. 7 P.M.

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1B. SCULPTURE.

One hour per week, second semester. Credit of one semester hour.

W. 7 P.M.

2A. PAINTING PRIOR TO RUBENS.

One hour per week, first semester. Credit of one semester hour.

W. 7 P.M.

2B. PAINTING SINCE RUBENS.

One hour per week, second semester. Credit of one semester hour.

W. 7 P.M.

French

(SEE ROMANCE LANGUAGES)

German

*Professor GRIMM, Assistant Professor VON SCHWERDTNER, and
MR. GUTMANN*

A major in German includes Courses 2, 3, 5, and 9.

A. ELEMENTARY GERMAN—The essentials of grammar, with exercises; reading of simple prose and poetry.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 2

1. INTERMEDIATE GERMAN—Reading of modern standard prose; private reading may be required. The primary aim

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of the course is to impart to the student as rapidly as possible a reading knowledge of the language.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance German or German A.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

2. LYRIC AND EPIC—Reading and interpretation of German lyric and epic poetry, with special reference to Goethe; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 9

3. DRAMA—A study of the German drama, with special reference to Lessing, Schiller, and Goethe; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 10

4. LUTHER—An advanced course devoted to the study of selections from Luther's German writings.

One period thruout the year. Credit of two semester hours.

Tu. 2

- 5a. COMPOSITION—A course in the practice of writing idiomatic German. Exercises in Grammar.

One period thruout the year. Credit of two semester hours.

Prerequisite: German A.

M. 7:45

- 5b. CONVERSATION—A course in the practice of speaking German.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A.

W. F. 7:45

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6. A GENERAL INTRODUCTION TO LINGUISTIC SCIENCE AND COMPARATIVE PHILOLOGY, with special reference to the Germanic Languages. Lectures. Collateral reading is required.

One period thruout the year. Credit of two semester hours.

Tu. 3

7. GERMAN SCIENTIFIC PROSE—Selections of literary merit from authors in the field of the natural sciences.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

8. GERMAN SCIENTIFIC PROSE—Readings adapted to individual needs of students majoring in any of the exact sciences.

One period thruout the year. Credit of two semester hours.

Tu. 4

- 9a. ADVANCED GERMAN PROSE—Cursory reading of more difficult German prose writers in the fields of fiction, history, and philosophy, selected to coordinate with German 9b.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A and I.

Th. S. 11

- 9b. HISTORY OF GERMAN CIVILIZATION.

One lecture period thruout the year.

Credit of two semester hours.

No prerequisite.

Tu. 11

10. HISTORICAL GRAMMAR. MODERN DRAMA—This course is conducted in German. Undergraduate students who give evidence by the character of their previous college work that they can pursue this course with profit may be admitted. Graduate course.

Hours and credit to be arranged.

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Greek

Acting Professor SHAFFER

A major in Greek includes twenty-four semester hours above Greek A.

- A. FIRST YEAR GREEK—An elementary course for beginners.
Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

- B. SECOND YEAR GREEK—Selections from Xenophon and Homer. Prose composition.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 10

1. HERODOTUS—Selections.

*Three periods, first semester. Credit of three semester hours.
Not given 1933-'34.*

2. GREEK TRAGEDY—Selected Plays.

Three periods, second semester. Credit of three semester hours. Not given 1933-'34.

103. GREEK LITERATURE IN ENGLISH—A series of readings from Greek authors designed to give the student a broad acquaintance with the content of Greek literature. Knowledge of Greek not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

104. GREEK HISTORY—A survey of Aegean civilization from the earliest times to the Hellenistic Age. Knowledge of Greek not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

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5. GREEK MUSIC—A study of Greek musical theory and practice, with readings from the sources. Restricted to advanced students.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

6. NEW TESTAMENT—The Gospels or the Acts of the Apostles.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

7. PLATO—The "Apology" and the "Crito." A study of Socrates.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

8. HOMER—The "Iliad" or the "Odyssey" will be studied with emphasis on the literary qualities of the poems and on the culture of the Homeric age.

Three periods, second semester. Credit of three semester hours.

Not given 1933-'34.

9. PROSE COMPOSITION.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

10. THE ANCIENT HISTORY OF THE NEAR EAST—A survey of the civilizations of southwestern Asia and Egypt from the earliest times to the Persian Empire.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

12. GREEK COMEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

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History

Professor FORTENBAUGH and MR. IDLE

A major in History consists of twenty-four semester hours including Courses 1, 8, 9, and at least three other courses, one of which must be a full-year course. History 1 is prerequisite to all courses in the department, except by special permission.

1. HISTORY OF CIVILIZATION—A survey course beginning with pre-history, with the aim of illustrating the growth of human ideals and institutions.

Three periods thruout the year. Credit of six semester hours. Both semesters must be taken and in the regular order.

Lectures Tu. Th. 11

Discussion sections M. 7:45 and 11

Tu. 7:45, 9 and 10

2. HISTORY OF ENGLAND FROM THE EARLIEST TIMES TO THE PRESENT.

Three periods thruout the year. Credit of six semester hours. Alternates with courses 7 and 14. Not given 1933-'34.

3. HISTORY OF THE UNITED STATES—A survey course beginning with the discovery of America and continuing to the present time.

Three periods thruout the year. Credit of six semester hours. By special permission, either semester may be taken, in any order.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

4. THE RENAISSANCE, THE REFORMATION, AND THE COUNTER-REFORMATION—A study of the forces and conditions involved in the transition from the medieval to the modern world.

Three periods, second semester. Credit of three semester hours.

Not given 1933-'34.

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5. AMERICAN ECONOMIC HISTORY—A study of the economic life and forces thruout the history of the United States. *Three periods, first semester. Credit of three semester hours.*

M. W. F. 11

6. HISTORY OF THE AMERICAS—An extensive study of American nations other than the United States, with special reference to Latin-America.

Three periods, second semester. Credit of three semester hours.

Not given 1933-'34.

7. HISTORY OF MEDIEVAL EUROPE FROM THE PERIOD OF THE BARBARIAN INVASIONS THRU THE AGE OF THE RENAISSANCE.

Three periods, first semester. Credit of three semester hours.

M. W. F. 10

8. INTRODUCTION TO THE SCIENCE AND METHOD OF HISTORY. This course aims to give the student an introduction to the science of History and to inform him as to methods and aids in teaching, investigation, and appreciation of historical knowledge. Designed for and required of all junior major students in the department, but open, by permission, to all qualified students, especially those who are planning to teach history.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

9. HISTORY OF PENNSYLVANIA—A survey of Pennsylvania History from colonial days to the present. Open only to junior major students in the department and to other qualified students. The chief requirement in the course is an undergraduate thesis on some phase of Pennsylvania History which may also be offered to the Department of

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Education in partial fulfillment of its requirement for graduation.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

10. POLITICAL AND INTERNATIONAL HISTORY OF EUROPE SINCE 1815.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

11. PERIOD STUDY IN AMERICAN HISTORY—A period in American History to be studied intensively is selected each year. Enrollment in the course is open to qualified students only by permission.

One two-hour period thruout the year. Credit of four semester hours.

W. 1

12. AMERICAN SOCIAL HISTORY—A study of a short period, to be selected, is made with the purpose of illustrating the nature of every-day life.

Three periods, second semester. Credit of three semester hours.

Prerequisite: History 3.

M. W. F. 11

14. POLITICAL AND SOCIAL HISTORY OF EUROPE, 1500-1815.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

Courses in Greek History and Ancient History of the Near East, Roman History, History of French Civilization, History of Education, and Church History are offered in the Departments of Greek, Latin, Romance Languages, Education, and English Bible, respectively. All interested will consult the announcements of those departments.

GETTYSBURG · PENNSYLVANIA

Latin

Professor GLENN and Assistant

A major in Latin includes Courses 101, 102, 103, 104, 113, two courses from 105, 106, 107, 108, and two courses from 109, 110, 111.

B-C. VERGIL AND OVID—Selections from the “Aeneid” and the “Metamorphoses.” For students offering only two or three years of Secondary School Latin for admission to college. Commencing with the year 1932-’33 this course will count as six semester hours toward graduation.

Students lacking four years of Secondary School Latin and planning to take courses in College Latin other than 109, 110, 111, are required to take this course as a prerequisite.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 2

101. HORACE—Selections from the “Odes,” “Epodes,” “Satires.”

Freshman course. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

102. ROMAN POETRY—Selections from the Roman poets ranging from the beginnings to the Christian hymns.

Freshman course. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

103. LATIN PROSE LITERATURE—Selections from the most prominent prose writers from the second century B. C. to the second century A. D.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

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104. ROMAN COMEDY—Selected plays of Plautus and Terence. Informal lectures on the Roman theatre, the origin and development of Roman drama.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

105. ROMAN LETTERS—Cicero and Pliny. Collateral reading and informal lectures on the life and literature of the times of Cicero and Pliny.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

106. ROMAN PHILOSOPHY—Lucretius, Cicero, and Seneca.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

107. MEDIEVAL LATIN—Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the novel, and epic, lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth century to the seventeenth century A. D.

Two periods, first semester. Credit of two semester hours. Alternates with course 105. Not given 1933-'34.

108. ROMAN ELEGY—Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research.

Two periods, second semester. Credit of two semester hours. Alternates with course 106. Not given 1933-'34.

109. ROMAN LAW—A careful study of the historical development and content of Roman Law by means of textbook, collateral reading, and lectures. A knowledge of Latin is not required.

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Three periods, first semester. Credit of three semester hours.

M. W. F. 9

110. LATIN LITERATURE IN TRANSLATION—A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 9

111. ROMAN HISTORY AND CIVILIZATION—The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

Alternates with course 109. Not given 1933-'34.

113. LATIN PROSE COMPOSITION.

One period thruout the year. Credit of two semester hours.

S. 9

Mathematics

Professor ARMS, Assistant Professor CESSNA and

MR. AMSPACHER

A major in Mathematics consists of at least twenty-four semester hours, twelve of which must be chosen from the following: Mathematics 6, 7, 8, 9, 10, 14. Mathematics 6 (Calculus) is required of all students majoring in Mathematics.

Courses marked (*) may not be offered in satisfaction of the "Pure Mathematics" requirements for either concentration or distribution.

GETTYSBURG COLLEGE

1. PLANE TRIGONOMETRY AND ALGEBRA—Definitions and properties of the trigonometric functions, logarithms, solution of triangles.

Three periods, second semester. Credit of three semester hours.

Prerequisite: one unit of Algebra and one unit of Geometry.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

2. COLLEGE ALGEBRA—Elementary theory of equations, complex numbers, binomial theorem, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: one unit of Algebra.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. (With 5.) ANALYTIC GEOMETRY—The course together with Mathematics 5 includes plane and solid analytic geometry with an introduction to the methods, aims and uses of modern mathematics. They comprise a year course.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: one unit of Algebra, one unit of Geometry and one-half unit of Trigonometry, or Mathematics 1 and 2.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 10

- 4A. PLANE TRIGONOMETRY AND ADVANCED ALGEBRA—The course is designed primarily for Engineering students and includes topics in Algebra such as mathematical induction, series, probability, and the like, together with a rapid survey of the essentials of Plane Trigonometry.

Four periods, first semester. Credit of four semester hours.

Required of Freshmen in Engineering.

Prerequisite: one unit of Algebra and one unit of Geometry.

M. W. F. S. 11

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- 4B. INTRODUCTION TO THE CALCULUS—The elements of Analytic Geometry and Calculus for Engineering students.

Four periods, second semester. Credit of four semester hours. Required of Freshmen in Engineering.

Prerequisite: Mathematics 1A, 3A.

M. W. F. S. 11

5. (With 3.) ANALYTIC GEOMETRY—This and Mathematics 3 comprise a year course. For description and prerequisite see Mathematics 3 above.

6. DIFFERENTIAL AND INTEGRAL CALCULUS—The fundamental formulae of differentiation with applications; series and the expansion of functions; the definite and the indefinite integral, applications, including areas and volumes.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 5.

Th. F. 1

- 6A. DIFFERENTIAL AND INTEGRAL CALCULUS—Topics in calculus and its applications for Engineering students.

Four periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 4A.

Tu. Th. S. 9

(Fourth hour to be arranged)

7. DIFFERENTIAL EQUATIONS—The theory and devices which will enable the student to integrate ordinary and partial differential equations.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 6.

Th. F. 1

8. MODERN GEOMETRY—A course in advanced analytic or synthetic geometry is offered in alternate years to advanced students.

Not given 1933-'34.

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9. MODERN ANALYSIS—A course in advanced analysis or the theory of functions is offered to advanced students. *Three periods thruout the year. Credit of six semester hours.*

Prerequisite: Math. 6.

M. W. F. 7:45

- 10.* TEACHERS' COURSE—The methods of teaching the secondary school subjects, the history of elementary mathematics, and practice teaching so far as is practicable. *Two periods, or the equivalent, thruout the year. Credit of four semester hours.*

M. 3

- 11.* MATHEMATICS OF INVESTMENT—The application of the theory of compound interest to amortization, annuities and life insurance.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1

- 13.* STATISTICS—A first course in economic statistics; the mean, mode, median; correlation, index numbers, and business barometers.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1

14. MATHEMATICAL SEMINAR—A course for advanced students in mathematics or science consisting in a discussion of those methods of pure mathematics needed for the study of modern science.

Credit and hours to be arranged.

Prerequisite: Math. 5 and Physics 1.

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- 15.* COSTS AND DEPRECIATION—Methods of charging depreciation and costs, the preparation of schedules, and an introduction to cost-accounting.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 2 and Economics A.

Tu. 1 W. 2

Mineralogy

(SEE CHEMISTRY)

Orientation

Professor SANDERS, Assistant Professors BOUGHTON and JOHNSON, and Mr. HEIGES

The object of this course is to furnish Freshmen a preface to the college course and an introduction to a philosophy of life. The course begins with suggestions on how to study, gives an outline of the principles of self-development, a preface to the idea of scientific-mindedness, studies our social heritages in literature and political and religious institutions, and concludes with an analysis of public opinion and the processes of its formation. Required of all Freshmen.

Three periods, either semester. To be preceded or followed by Bible 1 the same year. Credit of three semester hours.

Lecture, M. 4

Sections for Discussion:

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

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Philosophy

*Professor SANDERS, Associate Professor BASSET, and
Assistant Professor BOUGHTON*

A major in Philosophy includes Courses 1, 2, 3, 5, 6, 8, and an additional six semester hours chosen from the remaining courses in the Department of Philosophy. Education 2 and Greek 7 may likewise be included in the major in Philosophy.

1. **PSYCHOLOGY**—A course in general psychology which aims to acquaint the student with the phenomena of mind, the methods of psychological investigation, and the practical bearing of the various mental functions on the problems of ethics, pedagogy, etc.

Sophomore course. Three periods, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 11

Sec. 3, M. W. F. 10

Sec. 4, Tu. Th. S. 10

2. **SOCIAL PSYCHOLOGY**—A study of the basal tendencies in human nature, forming a transition between psychology, and ethics and sociology. An investigation into the ways in which the human element works towards higher destiny.

Sophomore course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sections and hours same as for Philosophy 1.

3. **LOGIC**—An introductory course in the laws of thought. The evolution of the concept, its development into judgment and inference, the systematic function of classification, the explanatory function of generalization, and the methodology of proof and investigation are studied

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with a view to securing a foundation for the theory of knowledge and effective scientific method.

Junior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 11

4. SOCIOLOGY—A study of the nature of society and its problems. Starting with the psychological factors of sociation, the development of social institutions, the economic and cultural factors of social progress, and the elimination of hindrances, evils are taken up in turn with a view to an understanding of the methods of social improvement.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

M. W. F. 11

5. ETHICS—A study of human conduct. The concept of personality and the idea of self-realization, as forming the background of moral judgment, are wrought into a system which explains the origin of the moral motives as well as their implication of God and immortality.

Junior course. Three periods, first semester. Course repeated second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

1st Sem. Sec. 1, M. W. F. 11

1st Sem. Sec. 2, Tu. Th. S. 10

2nd Sem. Tu. Th. S. 10

6. HISTORY OF PHILOSOPHY.

- A. ANCIENT AND MEDIEVAL PERIOD—This course traces the rise and progress of reflective thought as it appears among the Greeks and culminates in Scholasticism. Special stress is placed upon the Greek thinkers, with a view to acquiring an understanding of the spirit of philosophy.

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Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

M. W. F. 11

- B. MODERN PERIOD—This course covers the period from the Renaissance to the present time. Special stress is placed upon the great systems. The student is required to read selections from the great thinkers and report on them, the constant aim being to cultivate the philosophizing attitude, thus furnishing a basis for independent thought as well as an inspiration to do original thinking.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1 and 6A.

M. W. F. 11

7. PHILOSOPHY OF RELIGION—A study of religion as a distinct factor in human development. The aim of the course is to show the nature of religion and to interpret the various forms in which it manifests itself.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

M. W. F. 9

8. METAPHYSICS—Beginning with the method of system building, the student is introduced to the meaning of a world-view, the factors which a comprehensive and consistent view must recognize, and the reasons for regarding Theism as the theory which best meets existing requirements.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

M. W. F. 9

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9. EPISTEMOLOGY—A study of epistemology investigating the principles of science with a view to understanding their origin, their validity, and their philosophical implications.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 9

10. EXPERIMENTAL PSYCHOLOGY—This is an elementary laboratory course in psychology, covering the most essential features in the experimental method.

Open to Seniors and Juniors. Two laboratory periods, second semester. Credit of two semester hours.

Prerequisite: Philosophy 1.

Not given 1933-'34.

11. GENETIC PSYCHOLOGY—A psychological approach to the traits and problems of children and adolescents, with special reference to mental growth and its significance for the educator.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 11

12. PSYCHOLOGY OF BUSINESS AND INDUSTRIAL MANAGEMENT—A course dealing with the applications of psychology in the fields of business, industry, engineering, etc.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1 and Economics 1.

Tu. Th. S. 7:45

13. INTRODUCTION TO PHILOSOPHY—The course in general psychology suggests the problems of philosophy. The course in Introduction aims to acquaint the student with

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the content of philosophy, the origin and development of the various problems, the aim and method of philosophy, the results which have been attained, and its relation to the other departments of human thought.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

14. PSYCHOLOGY OF THE ABNORMAL MIND—A psychological approach to the problems of mental deficiency and insanity, with special reference to the detection of abnormal tendencies in children and to mental hygiene.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1 and 2.

Alternates with course 12. Not given 1933-'34.

15. ORIENTAL PHILOSOPHY—This course aims at giving the student an introduction to the fundamental principles underlying the great systems of oriental thought, and the correspondences and contrasts with the thought of the western world.

Senior course. Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

Teachers in the service may enroll for courses outside regular college schedule provided there is a sufficient number to justify a class.

Physical Education

Professor BILHEIMER and Mr. BREAM

- 1, 2. ELEMENTARY PHYSICAL EDUCATION—Members of the Freshman class electing Physical Education shall be required to take Physical Education 1 and 2. This course consists of one lecture period thruout the first

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semester on personal hygiene, and two periods (three in the second semester) presenting a natural technique of gymnastic practice involving natural activities.

Three periods thruout the year. No credit.

Sec. 2, Tu. Th. 11

Lecture, Tu. 4

Sec. 4, Tu. Th. 2

Lecture, Tu. 4

- 3, 4. ADVANCED PHYSICAL EDUCATION—Members of the Sophomore class electing Physical Education shall be required to take Physical Education 3 and 4, an advanced course in natural activities.

Three periods thruout the year. No credit.

Sec. 1, M. W. F. 10

Sec. 2, M. W. F. 11

- 5, 6. THEORY AND PRACTICE OF MAJOR SPORTS—Normal course intended for those expecting to take charge of Physical Education in secondary schools.

First Semester.

A. FOOTBALL—Playing rules from the standpoint of player, coach, and official; history and development of the game; strategy and method of coaching; relation of physical condition to individual and team development.

B. BASKETBALL—Coaching and officiating; modern attack and defense.

Second Semester.

C. BASEBALL—Rules; theory and scoring; discussion of base-running; position play and modern team-play.

D. TRACK—Discussion of important points in coaching track and field events: selection of men; development of candidates; eradication of weak points and the development of a well-balanced team.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

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7, 8. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

ATHLETIC DIRECTORSHIP IN SECONDARY SCHOOLS.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

Physics

Professor CHENEY, Associate Professor MILLER and MR.
AMSPACHER

A major in Physics includes twelve semester hours in addition to Courses 1 and 3.

1. ELEMENTARY PHYSICS—Mechanics, Heat, Sound, Magnetism, Electricity, and Light.

Three one-hour periods of lectures and recitations and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: college entrance Algebra.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 10

Sec. 5, M. W. F. 11

Lab. W. Th. or F. 1

3. INTRODUCTION TO ADVANCED PHYSICS—Mechanics, Thermodynamics, Magnetism, Electricity, and Light. This course covers the same general ground as Course 1, but with the introduction of higher mathematical processes and with greater completeness of theoretical detail.

Three periods of lectures and recitations and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisites: Physics 1, Mathematics 4 or 5.

M. W. F. 7:45 Lab. M. or Tu. 1

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7. ATOMIC STRUCTURE—Facts and theories pertaining to electrons, atoms, molecules.
Three periods thruout the year. Credit of six semester hours.
Prerequisites: Physics 3, Mathematics 4 or 5.
Hours as arranged.
8. ADVANCED THEORETICAL MECHANICS.
Three periods, first semester. Credit of three semester hours.
Prerequisites: Physics 3, Mathematics 6.
Hours as arranged.
9. ADVANCED ELECTRICITY AND MAGNETISM.
Three periods, second semester. Credit of three semester hours.
Prerequisites: Physics 3, Mathematics 6.
Hours as arranged.
10. ADVANCED LABORATORY PHYSICS.
Credit depends upon the quality and quantity of the work done.
Prerequisite: Physics 3.
12. DESCRIPTIVE ASTRONOMY—A course in general and descriptive astronomy. Recitations and lectures. Elective for all students.
Two periods, second semester. Credit of two semester hours.

M. W. 11

Political Science

Professor Saby

A major in Political Science consists of twenty-four semester hours, nine of which may, with the approval of the adviser, be taken in related fields outside the department.

1. AMERICAN GOVERNMENT AND CITIZENSHIP—A general survey of the principles and practice of American government for an intelligent comprehension of the duties and privileges of active citizenship.

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Prerequisite for other courses in Political Science.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, first semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

3. EUROPEAN GOVERNMENTS—A study of the government and politics of the more important European states.
Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

4. CONSTITUTIONAL LAW—A study of the basic principles of American Constitutional Government.
Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

5. INTERNATIONAL LAW—The development of the rules of international law; the rights and obligations of nations in times of war and peace and the settlement of international disputes.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Not given 1933-'34.

6. BUSINESS AND THE GOVERNMENT—A study of the political, legal, and economic aspects of the relation of government to business.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Not given 1933-'34.

7. MUNICIPAL GOVERNMENT—A study of city government and its problems.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 10

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8. POLITICAL PARTIES—A non-partisan consideration of the nature and activities of political parties and of current questions and discussions of party interest.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Not given 1933-'34.

10. SENIOR READING COURSE—Supervised reading in the field of Political Science.

Open to seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours to be arranged.

Romance Languages

*Professor BACHMAN, Assistant Professors HAMME and
HARTSHORNE*

A major in French or Spanish includes twenty-four semester hours above the A course.

French

- A. ELEMENTARY COURSE—The essentials of grammar. Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

- I. INTERMEDIATE COURSE—Grammar and Composition. Reading of a number of modern French authors.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance French or French A.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 10

Sec. 3, M. W. F. 10

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- 2A. FRENCH LITERATURE OF THE 17TH CENTURY—Two plays each by Molière, Corneille, and Racine. Selections from French prose writers of the 17th century.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

Alternates with course 2. Not given 1933-'34.

2. FRENCH LITERATURE OF THE 18TH CENTURY—Selections from Buffon, Montesquieu, Voltaire, Rousseau, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 11

3. FRENCH LITERATURE OF THE 19TH CENTURY—Selections from Chateaubriand, Hugo, Lamartine, de Musset, de Vigny, Balzac, Sainte-Beuve, Flaubert, Daudet, Zola, Maupassant, Bourget, Anatole France, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 9

4. OLD FRENCH LANGUAGE AND LITERATURE—This course is especially designed for those who expect to teach French. Selections from Bartsch's *Chrestomathie de l'ancien français* will be read.

Two periods second semester. Credit of two semester hours.

Prerequisite: French 107.

Alternates with course 5. Not given 1933-'34.

5. ADVANCED GRAMMAR—Systematic study of French grammar with special reference to the presentation of grammatical principles in the teaching of French. The professional equipment of the teacher of French and methods of teaching will be discussed.

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*Two periods thruout the year. Credit of four semester hours.
Prerequisite: French 2 or its equivalent.*

Tu. Th. 9

6. ADVANCED COMPOSITION AND CONVERSATION.

*Three periods thruout the year. Credit of six semester hours.
Prerequisite: French 1.
Not given 1933-'34.*

107. INTRODUCTION TO ROMANCE PHILOLOGY—This course deals with the phonetics and morphology of French, Spanish and possibly Italian. Emphasis will be laid on the phenomena having special significance for teachers.

*For majors and minors in French and Spanish.
Two periods first semester. Credit of two semester hours.
Alternates with course 5. Not given 1933-'34.*

8. PRACTICAL PHONETICS—French pronunciation and diction. Study of the alphabet of the International Phonetic Association.

*One period thruout the year. Credit of two semester hours.
Prerequisite: French A or its equivalent.
Hour to be arranged.*

9. HISTORY OF FRENCH CIVILIZATION.

*One period thruout the year. Credit of two semester hours.
No language prerequisite.
Alternates with course 8. Not given 1933-'34.*

110. EXPLICATION DES TEXTES—This course is required of those majoring in French.

*One period thruout the year. Credit of two semester hours.
Hour to be arranged.*

Spanish

A. ELEMENTARY COURSE—Grammar and Translation.

Three periods thruout the year. Credit of six semester hours.

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Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

1. INTERMEDIATE COURSE—Reading of modern Spanish authors. Prose Composition.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance Spanish or Spanish A.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

2. SPANISH LITERATURE OF THE 16-17TH CENTURIES—Selections from Cervantes and plays of Lope de Vega, Calderón, Tirso de Molina, and Alarcón.

Three periods thruout the year. Credit of six semester hours.

Alternates with course 6. Not given 1933-'34.

3. CONTEMPORARY SPANISH LITERATURE—Selections from the best-known Spanish novelists and dramatists of the 20th century.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Tu. Th. S. 10

4. SPANISH CONVERSATION AND COMPOSITION—This course is designed for students who wish to increase their ability to understand and speak Spanish.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Not given 1933-'34.

6. NINETEENTH CENTURY SPANISH LITERATURE—Selections from Espronceda, Saavedra, Zorrilla, and others of this period.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

M. W. F. 11

Spanish

(SEE ROMANCE LANGUAGES)

Engineering

CIVIL ENGINEERING, ELECTRICAL ENGINEERING,
MECHANICAL ENGINEERING

*Professor CLUTZ, Assistant Professors REEN and SALTZER,
and MR. PLANK*

ADVANCED Algebra and Plane Geometry are prerequisite for the Engineering courses. Students beginning a modern language in college must take the same language for two years instead of the one year prescribed in the list of required studies.

It is impossible to give a complete preparation for any branch of Engineering in a four year course. There are, however, certain fundamental subjects which are essential no matter what line of Engineering is taken up. It is our effort to give a good training in these fundamental subjects; hence during the Freshman, Sophomore and a large part of the Junior year all students take the same courses. Those who are looking toward Electrical or Mechanical Engineering will have the remainder of the work in the Junior year and a part of the work in the Senior year identical. The remainder of the work in the Senior year is more highly specialized.

Students who desire to emphasize the production or business end of Engineering may make certain adjustments, replacing a part of the more technical work by courses in Business Administration and Economics.

A complete schedule of prescribed studies is found on pages 34-36.

GETTYSBURG COLLEGE

1. **ELEMENTARY MECHANICAL DRAWING**—Use of drawing instruments, orthographic projections, simple sections, intersections, and developments and lettering.

Two three-hour periods thruout the year. Credit of four semester hours.

Tu. Th. 1

NOTE—The College provides drawing desks, etc., but each student furnishes his own drawing outfit, costing about thirty dollars. Students are urged to avoid the purchase of cheap instruments, which soon become worthless. Engineering students use their drawing instruments thruout their course and for years afterward. The purchase of an outfit of good grade is therefore economy.

2. **GRAPHICS**—The application of graphical methods to the solution of engineering problems.

Two three-hour periods thruout the year. Credit of four semester hours.

M. W. 1

3. **MECHANICS, STATICS, AND DYNAMICS**—Forces in equilibrium, simple structures, translation and rotation, work, energy, power. The periods are two hours to give time for a full discussion of problems.

Three two-hour periods thruout the year. Credit of three semester hours.

Prerequisite: Math. 3 and 4.

Tu. Th. S. 10

5. **HYDRAULICS**—A study of the mechanics of water at rest and in motion, with applications to a variety of problems relating to the pressure of water and to its flow in natural and artificial channels, pipes, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 5.

Tu. Th. S. 10

6. **STRENGTH OF MATERIALS**—Recitation and laboratory work in the study of the properties of engineering materials. Standard tests of cement, sand, mortar, and concrete are made and compared. The common tensile, compressive, and transverse tests on steel, cast iron, wrought iron, and timber are made and discussed. The solution of practical problems in the use of the materials and simple design work is emphasized.

Three periods and one three-hour laboratory period, first semester. Credit of four semester hours. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 5.

M. W. F. 10 Lab. F. 1

7. **ELEMENTS OF ELECTRICAL ENGINEERING**—The application of the fundamentals of electricity and magnetism to electrical engineering practice. Theory, structure, and operation of electrical machinery. Recitation work supplemented by simple laboratory experiments.

Two periods, first semester. Credit of two semester hours.

Two periods and one three-hour laboratory period, second semester. Credit of three semester hours.

Prerequisite: Physics 3.

Tu. Th. 10 Lab. F. 1

Civil Engineering

- A. **ELEMENTARY PLANE SURVEYING**—An introduction to the use of surveying instruments and computations. Instruction in the use of the slide rule.

One period and one three-hour laboratory period, first semester. One period, second semester. Credit of three semester hours.

F. 9 Lab. M. 1

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11. PLANE SURVEYING—This course gives drill in the use of the more common surveying instruments, in the best methods of keeping notes, and in the computations and mapping required in connection with the usual work of a surveyor.

Two periods thruout the year. Credit of four semester hours.

M. W. 9

12. SURVEYING—Practice work done in connection with Course 11. Field work giving a drill in the use of the more common surveying instruments, and work in the classroom plotting surveys, and making the necessary computations. *One three-hour period thruout the year. Credit of two semester hours.*

Th. 1

13. SURVEYING—Field work done in the Senior year. Topographic surveying using a variety of instruments, including the plane table. Railroad surveying. Adjustment of instruments.

One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

17. RAILROADS—A course in the economics of railroad construction and operation, maintenance, and valuation.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

18. STRUCTURAL DESIGN—Stresses in framed structures, principally roof trusses and bridges of various types, *One period and two three-hour drawing periods thruout the year. Credit of six semester hours.*

Prerequisite: Engineering 3.

F. 9 Lab. M. W. 1

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- 18-A. STRUCTURAL DESIGN—One semester of design in concrete and one in steel. Principally work in design of buildings.

F. 10 Lab. M. W. 1

19. STRUCTURAL DESIGN—A course in the strength of materials as applied to the analytical design of structures of wood, steel, and concrete. Beginning with beams the student finally makes all the calculations necessary in the complete design of a plate girder and trusses of the riveted and pin-connected types.

One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

W. 9 Lab. M. W. 1

20. STRUCTURAL DRAFTING—The making of detailed drawings for the component parts of a steel structure. Conformity with the best practice is required, and the drawings are carefully checked.

Two three-hour periods, second semester. Credit of two semester hours.

Not given 1933-'34.

21. CONTRACTS AND SPECIFICATIONS—The elements of contract law as applied to the mutual relations of engineer, contractor, and owner. Critical review of typical specifications and practice in specification writing.

One period, first semester. Credit of one semester hour.

M. 7:45

23. HIGHWAYS—Recitations on the design, construction, and maintenance of roads and pavements, with especial consideration of the exigencies of present-day traffic.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

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26. ENGINEERING SEMINAR—Oral and written reviews and discussions of current technical articles.

*One period thruout the year. Credit of two semester hours.
Hours as arranged.*

27. ENGINEERING ECONOMICS—A study of the elements other than purely technical entering into the solution of Engineering problems—economic, financial, etc. A survey of methods of production as affected by Engineering considerations.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

Mechanical Engineering

31. SHOP WORK—Simple exercises in the formation of green sand moulds, supplemented by lectures on modern foundry practice. Bench and lathe work in wood, elements of pattern making.

One three-hour period, first semester. Credit of one semester hour. Hours as arranged.

32. SHOP WORK—Forge practice in iron and steel. Shaping, hardening, and tempering of tools. Machine and bench work in metals. Lectures on modern shop practice.

One three-hour period, second semester. Credit of one semester hour. Hours as arranged.

33. KINEMATICS—Theory of mechanisms, instant centers, cams, gears, linkages, velocity and acceleration diagrams, etc. Recitation work supplemented by the solution of practical problems in the drawing room.

Two three-hour drawing periods, second semester. Credit of three semester hours.

Lab. M. W. 1

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34. MACHINE DESIGN—An elementary course showing the application of the fundamentals of mechanics and kinematics to machine design. Selection of mechanisms for specified work, analysis of energy and force problems in machines, and proportioning of detailed parts from theoretical and practical considerations.

Two periods, first semester. Credit of two semester hours.

M. F. 9

35. MACHINE DESIGN—Application of principles of Course 34 to the design of typical machines, including all necessary computations; working drawings of most important parts, and a finished assembly drawing.

One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: M.E. 34.

M. W. 10 Lab. Th. 1

36. HEAT POWER ENGINEERING—Thermodynamics of gases and vapors, theoretical gas cycles, application of theory to problems of commercial heat engines, engine performances and efficiencies.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

37. HEAT POWER ENGINEERING—A continuation of Course 36. Fuels, combustion, boilers, gas engines, steam engines and turbines, power house auxiliaries, etc. Efficiency and economy of operation. Selection and combination of elements for power houses. This study covers the theory necessary for Course 38.

Three periods, first semester. Credit of three semester hours.

Prerequisite: M.E. 36.

Tu. Th. S. 11

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38. POWER PLANT ENGINEERING—A continuation of Course 37.

Three periods, second semester. Credit of three semester hours. Prerequisite: M.E. 37.

Tu. Th. S. 11

39. MECHANICAL ENGINEERING LABORATORY—Calibration of common engineering measuring instruments, such as steam gauges, thermometers, indicator springs; determinations of quality of steam; measurements of power; efficiency tests of boilers, gas engines, pumps, flue gas analysis, etc.

One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

40. MOTOR VEHICLES—A critical study of motor vehicles with particular attention to internal combustion engines, transmission gears, clutches, differentials, braking and timing devices.

Three periods, second semester. Credit of three semester hours. Prerequisite: M.E. 36. Hours as arranged.

41. AERONAUTICS—General aeronautical theory, including sustentation, characteristics of airfoils, longitudinal, lateral, and directional stability, propeller analysis, and airplane performance. A preliminary design is worked out. Standard engines and instruments are analyzed.

Three periods, second semester. Credit of three semester hours. Hours as arranged.

Electrical Engineering

45. THEORY OF ELECTRICAL MACHINERY—Fundamentals of the electric and magnetic circuit; representation of alternating currents and voltages by vectors and complex quantities; study of the alternating current circuit;

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theory of transmission lines; transformers, alternators synchronous and induction motor, direct current machines, etc.

Two periods and two laboratory hours thruout the year.

Credit of six semester hours.

Prerequisite: E. 7.

M. W. F. 9

46. CHARACTERISTICS OF ELECTRICAL MACHINERY—This course supplements the work of Course 45. Problems in alternating current circuits. Outline design and predetermination of performance characteristics of transmission lines, transformers, alternators, alternating current motors, and direct current generators and motors. Practice is given in the use of standard handbooks.

Three periods, second semester. Credit of three semester hours. May be taken only with E.E. 45. Hours as arranged.

47. ELECTRICAL ENGINEERING LABORATORY—Elementary and advanced experimental work in electrical engineering: the study of polyphase alternating current circuits, shape of A. C. waves; commercial testing of alternators, transformers, synchronous motors, induction motors, D. C. machines, etc.

One three-hour period thruout the year. Credit of two semester hours. Laboratory course with E.E. 45.

M. 1

48. TELEPHONE—Theory of the telephone. The design and construction of telephone instruments, switchboards, and transmission lines.

Three periods, second semester. Credit of three semester hours.

Prerequisite: E. 7. Hours as arranged.

49. HEATING AND VENTILATION—Methods of heating and ventilating buildings, amount and condition of air for

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ventilation, loss and gain of heat, hot air heating, steam heating, hot water heating, district heating, temperature control, furnaces, boilers, radiators, and valves.

Three periods, second semester. Credit of three semester hours.

Prerequisite: M.E. 36. Hours as arranged.

Engineering Equipment

For a detailed description of the equipment in engineering see page 131.

MILITARY SCIENCE AND TACTICS

(RESERVE OFFICERS' TRAINING CORPS)

Major EDWARD H. BERTRAM, Inf., D.O.L.

Captain GEORGE R. HEDGE, Inf., D.O.L.

Sergeant JAMES MASHBURN, Inf., D.E.M.L.

AS A part of the program for national preparedness, Congress by Act of June 3, 1916, authorized the establishment and maintenance, in civil institutions of learning fulfilling certain requirements, of units of the Reserve Officers' Training Corps, so that in time of national emergency there might be a sufficient number of educated men, trained in military science and tactics, to officer and lead intelligently the large armies upon which the safety of the country would depend. Under the provisions of this Act the President of the United States has established an infantry unit, senior division, of the Reserve Officers' Training Corps in the College and has detailed a regular army officer to serve here as Professor of Military Science and Tactics, another officer and a noncommissioned officer to serve as his assistants. In order to encourage students to enter the corps this Act of Congress makes very liberal provisions, furnishing the members free of charge all the needed equipment in arms, ammunition, uniforms, and, in the case of those taking the advanced course, additional uniforms,

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training camp expenses, and an allowance in cash equal to the regular army garrison ration.

The work includes lectures and classroom work as well as military drill, and target practice. A lecture on the tactics of the battle of Gettysburg is given by a representative of the Battlefield Commission to members of the Senior class. The West Point Cadet Corps came to Gettysburg annually prior to the World War, for similar instruction.

The mental as well as the physical benefits which a student may derive from this course are obvious; and it supplies in the most approved form that element of training in discipline and obedience to authority which has been largely lacking in the educational system of our country. There is a great demand thruout the country for teachers of high school grades who are able to give military instruction.

The Reserve Officers' Training Corps should not be considered solely on the basis of the personal benefits derived in college and its value in semester hours toward a diploma. The nation has in its wise policy selected this means of preparing and securing its officers for a future emergency. The man that neglects this opportunity to prepare will find, in future years, no door open to a commission as an officer in the Reserve Army which is our national defense.

A course, if elected, must be completed, but other than this it involves no compulsory military obligations.

The course in Military Science and Tactics is divided into two parts, each one requiring two years of work.

Basic Course

Any student electing this course must devote an average of at least three hours per week for two successive years to the work required (First Year and Second Year).

Advanced Course

When any member of the Reserve Officers' Training Corps has completed (here or elsewhere) the first two academic years of service, and has been recommended for further military train-

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ing by the President of the College and the Professor of Military Science and Tactics, he will be furnished by the U. S. Government commutation of subsistence, an allowance of thirty cents per day, extending thru and including the summer recess between the third and fourth years. A student electing to take this advanced course will be required to devote an average of at least five hours per week to the work during the remainder of his college course (Third Year and Fourth Year). He must also attend the training camp prescribed by the Secretary of War between the third and fourth years, his transportation to and from this camp, clothing and subsistence while there, and pay at the rate of seventy cents per day, being furnished by the U. S. Government.

Outline of Courses in Military Science and Tactics

BASIC COURSE

[[First Year]]

Mil. 1 and 2

1. An introduction to Military Science and Tactics including: Military Courtesy and Discipline; Physical Training, to develop proper carriage and posture; The National Defense Act and the Reserve Officers' Training Corps; Command and Leadership—instruction of the Soldier, Squad and Platoon; Rifle Marksmanship.
2. Rifle Marksmanship (continued); Military Hygiene and First Aid; Individual Infantry Equipment; Combat Principles of the Squad and Section; Command and Leadership—instruction in the Rifle Company, Ceremonies and Inspections; Scouting and Patrolling.
Three periods thruout the year. No credits allowed.

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Class work	{	Sec. 1, M. 2	Drill	}	Tu. Th. 7:45
		Sec. 2, Tu. 2	for		
		Sec. 3, W. 2	all		

[[*Second Year*]]

Mil. 3 and 4

3. Scouting and Patrolling; Musketry; Command and Leadership—same as outlined in 1 and 2 above (students performing the duties of Squad Leaders).
4. Musketry (continued); Automatic Rifle; Command and Leadership (students performing the duties of Squad Leaders); Combat Principles of the Rifle Squad.

Three periods thruout the year. No credits allowed.

Prerequisite: Courses 1 and 2.

Class work	{	Sec. 1, M. 9	Drill	}	Tu. Th. 7:45
		Sec. 2, Tu. 2	for		
		Sec. 3, W. 9	all		

ADVANCED COURSE

[[*First Year*]]

Mil. 5 and 6

5. Military Sketching and Map Reading; Infantry Weapons (The 37-mm Gun and 3-inch Trench Mortar); Command and Leadership (students performing the duties of Section Leaders).
6. Infantry Weapons (Machine Gun); Combat Principles (The Rifle Section and Platoon); Command and Leadership (students performing the duties of Section Leaders).

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 4 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

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[[Second Year]]

Mil. 7 and 8

7. Field Engineering; Administration; Military Law and O. R. C. Regulations; Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Military History and Policy.
8. Combat Principles (The Rifle, Howitzer, and Machine Gun Platoons); Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Field Engineering.

Five periods thruout the year. Credit of six semester hours. Prerequisite: Courses 1 to 6 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

No student electing one of these courses will be promoted to the next higher class, or graduated from the College, unless he has completed the work of the course for the previous year to the satisfaction of the Professor of Military Science and Tactics.

The appointments of cadet officers and noncommissioned officers for the Corps are made from members of the Junior and Senior classes and from members taking post-graduate courses, provided there is a sufficient number. It is the intention to give the student entering the advanced course the benefit of an opportunity of training in a responsible rather than in a subordinate position.

No military duties in addition to the training courses outlined are required from members of the Reserve Officers' Training Corps.

A student having completed these courses will, on graduation, receive his Reserve Officer's Commission as Second Lieutenant, issued by authority of the President of the United States, and be eligible for promotion to First Lieutenant, Officers' Reserve Corps, after the expiration of two years.

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To those who aspire to enter the ranks of regular army officers from civil life the Reserve Officers' Training Corps at Gettysburg College offers unexcelled advantages and opportunities.

Equipment

Located as it is in the heart of the great Battlefield of Gettysburg, Gettysburg College is admirably situated for conducting courses in Military Science and Tactics. This situation is rendered doubly important when one stops to realize that this very terrain is that used for practically all theoretical instruction given in Minor Tactics all over the country. While other units of the R. O. T. C. are issued maps of this terrain for their theoretical instruction, they are compelled to work out practical problems on available local terrain, often poorly mapped. This institution enjoys the advantage of conducting its practical work on the same terrain which is studied in the text furnished by the War Department.

With the exception of textbooks and shoes, complete equipment is furnished by the Government at no cost to the student. In addition to the service rifles and pistols regularly used for drill and target work, there is on hand a complete set of special infantry weapons consisting of Browning automatic rifles, Browning machine guns, a 3-inch trench mortar, and a 37-mm gun. All these are used for both theoretical and practical instruction.

For the study of Minor Tactics, complete maps, in different scales, are furnished. These maps are all of the terrain in the immediate vicinity of Gettysburg. This collection is supplemented by a B-H Relief Map with which over one thousand combinations of terrain may be made, thus covering every possible formation of ground over which troops may be required to maneuver. A modern sand table for tactical instruction has been installed in the R. O. T. C. laboratory on the ground floor in Glatfelter Hall.

Complete files of all War Department publications are available in unit headquarters. The system of correspondence,

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filing, and property accounting is exactly the same as that used in the army. Students are thus enabled to receive a well rounded course in Administration and both see and do the practical work.

The office of the Department of Military Science and Tactics is located on the third floor, and the store rooms, armory, and indoor rifle range on the first floor of the Eddie Plank Memorial Hall. Here is stored and kept all the equipment prescribed by the War Department for the use of the Reserve Officers' Training Corps. It is sufficient for thorough instruction in all the courses outlined in this Department.

The indoor rifle range, which is seventy-two feet long and equipped with five targets, is thoroughly modern in all details. It is used by the members of the R. O. T. C. for instruction in Rifle Marksmanship and for firing matches with rifle teams of R. O. T. C. units of other colleges. It is also used by the College Rifle Club, which is affiliated with the National Rifle Association. Matches are held with the rifle clubs of other colleges thruout the year. This provides a very interesting and enjoyable recreation.

Financial Benefits of R. O. T. C. to College Men

When a student enters the unit he receives a complete uniform for his personal use during the school year, consisting of the following articles of clothing:

1 Cap and ornament	1 Pair trousers, woolen
1 Coat, woolen	1 Belt, waist
2 Shirts, flannel	2 Ornaments, collar
1 Cravat	1 Ornament, sleeve

For each additional year that he remains in the unit, he receives another complete uniform.

By completing the advanced course, in addition to the use of the uniform for four years the student receives the following from the government in cash:

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Commutation of subsistence @ 30c for 590 days . .	\$177.00
Rations in kind at camp.....	31.00
Ration allowance enroute to and from camp.....	8.00
Travel allowance @ 5c for 160 miles (average).....	8.00
Pay while in camp @ 70c for 42 days.....	29.40

Total amount received in four years..... \$253.40

Roster of Officers and N. C. O.'s of R. O. T. C. Unit

Battalion Staff

R. F. SHEELY, Major, Battalion Commander

B. J. ROBERTS, Sergeant, Color Guard

C. N. KULMAN, Sergeant, Color Sergeant

L. E. BARRON, Corporal, Color Guard

J. M. WATERS, Corporal, Color Guard

Drum and Bugle Corps

JOSEPH I. HARVEY, Staff Sergeant, Commanding

P. E. HENRY, Corporal, Drum Major

J. R. WALKER, Corporal

C. A. CHAMBERLAIN, Corporal

R. C. SUTHERLAND, Corporal

Company Officers

Captains

COMPANY "A"

G. D. WHITCRAFT

R. A. EVANS,
2d Com'd.

COMPANY "B"

C. A. KARNS

J. L. GILLESPIE,
2d Com'd.

COMPANY "C"

C. E. PAINTER

C. D. LEATHERMAN,
2d Com'd.

First Lieutenants

L. A. LENKER

J. GNAU

F. A. BEACHLEY

R. W. CRONLUND

A. K. BUCHANAN

J. R. STREVIG

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Non-commissioned Officers

First Sergeant

COMPANY "A"

J. D. MAUST

COMPANY "B"

C. G. HAIN

COMPANY "C"

R. F. JACOBS

Sergeants

J. W. WHETSTONE	R. S. SHANEBROOK	W. R. FAHS
R. M. HOUGHTON	M. B. SHARP	G. H. COUPE
H. L. WEARY	E. I. LEBER	J. A. GILLESPIE
E. F. KOCHENOUR	R. A. PETERMAN	H. S. STERLING

Corporals

A. GROVE	G. H. BOMBERGER	S. MESSINGER
F. DUNBAR	R. H. RUNK	W. B. NORTON
P. T. KNORR	W. R. WOODS	O. W. HARTMAN
B. L. RITZ	D. R. POOLE	E. J. NOWICKI
J. E. LEAS	T. P. REEDER	A. C. CAVELL
L. S. BARR	N. W. SPENGLER	E. W. HEPPFORD
D. B. DUNLEVEY	R. C. MILLER	J. REED
E. C. STONE	A. J. LANGE	J. D. JACOBS
R. J. QUICK	M. E. MANNING	E. B. BULLEIT
N. B. KELLOW	E. F. LARSON	G. E. BROWN
C. D. OTT	K. SAHLE	F. EDWARDS
C. CHRONISTER	R. S. NAGLE	W. A. STRAUSS
B. E. NARY	M. M. SMEAL	
W. H. KADLE	S. A. SCHRECKENGAUST	
M. LOWER	P. M. DEAN	

SUMMER SCHOOL

DURING the past few years there has been a demand for summer courses. Much of this arises from the varied preparation furnished by the schools at which the students prepare for college. Some students wish to make up the work required to get in line with the regular candidates for graduation. A number of teachers likewise wish to pursue courses

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in line with their profession. The present program of advancement in the certification requirements of the State has greatly increased this demand.


In view of these needs the Board of Trustees has authorized a summer session. The school is in charge of the College Faculty and the credits are entered on the College records just as if acquired during the academic year. All students are required to register on June 19. Regular class work will begin on June 20. The session will close on August 3. A sixty-minute period daily will be the equivalent of two semester hours; a ninety-minute period daily will be the equivalent of three semester hours.

All new students will be charged an enrollment fee of five dollars. Tuition at the rate of ten dollars per semester hour credit will be required of all students.

The administration of the summer school has been placed in the hands of the Faculty members participating in it. The Faculty has appointed the following executive committee: Professor John B. Zinn, Director; Professor F. H. Clutz, Professor F. H. Kramer, and Professor R. Fortenbaugh.

Further information and the regular Summer School Bulletin may be had on request from Professor John B. Zinn, Director of the Summer School, Gettysburg College, Gettysburg, Pa.

GENERAL INFORMATION

HE College aims to develop the greatest possible individuality and the highest manhood of the student. The prevailing influences are such as tend to lead young men to an active Christian life and to a full realization of their personal responsibilities. The immediate supervision of the students is in the hands of the President, the Dean, and the Advisers.

Student Council

The Faculty, without lessening its authority and responsibility, has delegated to the student body certain duties in self-government. The students act through a Student Council consisting of four Seniors, three Juniors, two Sophomores, and one Freshman, elected by their respective classes. This Council acts in certain matters of discipline and in matters concerning the general welfare of the student body, and is a medium of communication between the students and the Faculty.

Terms and Vacations

The college year of thirty-five weeks is divided into two semesters. The first semester begins at 11 A. M. on the third Thursday in September and continues, with recesses at Thanksgiving and Christmas, to the end of January; the second semester begins immediately thereafter and continues, with an Easter recess, to Commencement Day, the second Monday of June. The closing days of each semester are devoted to examinations.

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Freshman Week begins at 10:30 A. M. on the Monday preceding the official opening of the college year and closes on the following Friday.

Church Attendance

Gettysburg College believes that regular church attendance is an essential part of the life of any young man. This is particularly true when the student is away from the incentives and restraints of the home. Gettysburg College strongly urges the importance of attending church services at least once a Sunday.

The churches of Gettysburg are eager to welcome the students of the college to their services.

Rules Governing Class and Chapel Absences

The supervision and discipline of student absences are vested in a *Committee on Absences* composed of the Dean, who is ex-officio chairman, and two other members of the Faculty appointed by the President.

When a student registers at Gettysburg College he enters into an agreement to attend every class exercise unless unavoidably detained.

Each instructor shall make a daily report of student absences to the office of the Dean.

A total of one week's absences, those due to prolonged illness and authorized trips excepted, is allowed in each course to take care of necessary absences. Absences above this allowance may be excused by the *Committee on Absences* if the absences within the allowance have been used for reasons satisfactory to the *Committee*. Otherwise they will remain unexcused.

Any student whose average grade is B will be allowed double this number of absences; this ruling to take effect the semester following the one in which the above average was reached. If, however, he is deficient in any subject at the following mid-semester, this privilege is automatically taken away.

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Each unexcused absence in excess of the allowance will be penalized by the addition of one hour's credit to the graduation requirement. However, when the number of absences in any course shall aggregate a total of twice the number of hours per week, those due to prolonged illness and authorized trips excepted, the student shall be dropped from the course with an F and the above penalties rescinded.

Absences from the last scheduled class before any holiday or vacation or the first scheduled class after any holiday or vacation will each be penalized by the addition of one credit hour to the graduation requirement, unless previously excused by the *Committee on Absences*.

Students are required to attend a chapel service, Monday to Friday inclusive, at 8:40 A. M. in Brua Chapel. After ten absences in any semester the student is warned; after fifteen absences one hour's credit is added to his requirement for graduation; if he is absent twenty times his case is referred to the *Committee on Discipline*.

A detailed statement of the rules governing absences may be secured in the office of the Dean.

Examinations

Examinations are held in all subjects at the close of each semester or when, during the term, a subject is completed. Instructors may hold topical or quiz examinations at the time of any of the regular appointments with the class. Absences from these examinations are governed by the rules given above.

Conditions and Deficiencies

No credit is given for a subject reported as E, F, or "Inc," and such a grade remains a deficiency until removed. An "Inc" may be removed by the completion of the work within one year from the time when it is incurred; at the end of that time an unsatisfied "Inc" becomes an F, unless the Faculty

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shall, because of the student's sickness or for an equally good reason, extend the time for removing the "Inc." An F can be removed only by repeating the semester's work in the subject and the student is held responsible for repeating this subject the next time it is offered. An F in a course for the first semester does not debar a student from the course during the second semester, unless the latter is dependent on the work of the first semester. An E means that the student is entitled to one re-examination within one semester at such a time as the head of the department, in consultation with the Dean, shall appoint, but not within ten days from the time of the original examination. The department shall report the result of any such examination with the grade D if passed, F if failed. The student will be notified by the Dean as to the time and place of the examination, and if he fails to report will receive the grade F.

Before a re-examination may be taken the student must pay to the Dean a fee of three dollars and present to the instructor the Dean's permit to take the re-examination. No student will be allowed to graduate who has an F on his record. One E shall not prevent a student from graduating, provided he has credit for all the prescribed work and all the semester hours required for the given degree, including extra hours imposed for reasons of discipline.

Probation

A. If, in the judgment of an instructor, a student is in any way endangering his scholastic standing, the instructor shall notify the Dean that the student is deficient and on probation in that particular course. At the end of two weeks the Head of the department shall notify the Dean whether

- (a) The probation is continued,
- (b) The probation is removed, or
- (c) The student is dropped from the course with the grade of F.

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(Notice of (b) may be given before the end of two weeks.)

B. A student is placed on General Probation

(a) If he has not earned twenty-four semester hours during his two previous semesters.

(b) In the case of a Freshman, if he has not earned twelve semester hours during his first semester in College.

(c) If he is not doing passing work in at least twelve semester hours of work during the current semester.

(d) If he is deficient under the Quality Point system.

(e) If, at any time, the general quality of his work indicates that his graduation is questionable.

General Probation involves:

(a) Ineligibility to represent the college in any way.

(b) The issuance of a warning to parent or guardian, and of a notice to the student, the directors of college organizations, and the Faculty.

General Probation is effective the Monday following reports from instructors indicating that the student is doing passing work in less than twelve semester hours credit work. It can not be removed before the expiration of one week. It is removed the Monday following reports showing passing work in at least twelve semester hours.

Quality Point System

Quality points are allowed according to grade as follows:

For each semester hour with grade of A, three quality points; B, two; C, one; D, none; E, minus one; F, minus two.

In general, students are considered deficient and may be required to withdraw from College when they fail to meet the minimum requirements as follows:

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1. A minimum of nine quality points at the end of the Freshman year; thirty-three at the end of the Sophomore year; seventy-five at the end of the Junior year.

2. A minimum of three quality points per semester after the first semester of the Freshman year.

3. A student who has been reinstated and failed a second time under the above regulations will be required to withdraw from college permanently.

4. In order to graduate, a student must have as many quality points as he has credit hours.

Reinstatement

A student dismissed from college for *any cause* may not be reinstated except by petition to the Faculty. Such petitions will be considered on their own merits and *in no case* will a student be readmitted during the semester immediately following the one in which the penalty was incurred. A student dismissed for misdemeanor loses all credit for work done during the semester. In any case of reinstatement the student will be on general probation for one year.

Honors

The following honors are awarded at the close of each year.

FINAL HONORS are awarded to members of the graduating class who meet the following conditions:

General Final Highest Honors to those students who have maintained thruout their four years the grade of A in all of their studies.

General Final Honors to those students who have maintained the grade of A in at least half of the work of their four college years and have not fallen below the grade of B in their studies of the Junior and Senior years.

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Students entering at the beginning of the Sophomore year will be awarded the same honors if for three years they meet the above requirements as to grade.

DEPARTMENTAL FINAL HONORS. If the head of any department recommends a student taking a major in that department as having shown special excellence in that work, the student shall be awarded Final Honors in that department, provided he does not have a grade below B in more than twelve semester hours of work in other departments.

CLASS HONORS for Freshman, Sophomore, Junior, and Senior years. *Highest Class Honors* for the designated year will be awarded to those members of these classes who have maintained the grade of A in all their studies thruout the year. *Class Honors* for any particular year are awarded to those members of the class who have maintained the grade of A in at least half of the work of the year and do not have a grade below B in any of their studies for the year.

These awards are announced at Commencement and published in the next Catalog number of the BULLETIN.

Stuckenberg Lectureship

Mrs. Mary G. Stuckenberg has given a fund of \$1,000 for the establishment of a Lectureship in Sociology in honor of her late husband, J. H. W. Stuckenberg, D.D., LL.D., by the terms of which the College will have annually a lecture on some phase of Sociology from the Standpoint of Christian Ethics by specialists in this important field. The lecture is given at such time as is convenient to the lecturer chosen for the year.

Bell Lectureship

A fund of \$2,100 from the estate of the late Rev. Peter G. Bell, ex-'60, has been received by the college for the establishment of a Lectureship on the Claims of the Gospel Ministry on College Men. The main object of this foundation is "to keep before the students of the College the demand for men for the Christian

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ministry and the conditions of the age qualifying that demand."

College Lecture Course

The College Board of Trustees annually appropriates money sufficient to secure a number of the best scholars and speakers in the country to deliver lectures, one of which is given each month on a literary or scientific topic. Some are illustrated, and all are free to the students and to the general public.

Phi Beta Kappa

A charter for a chapter of the Phi Beta Kappa honor society was granted to Gettysburg College in September 1922, and the chapter, known as the Iota Chapter of Pennsylvania, was organized January 11, 1923. The chapter elects into its membership each year not more than three members of the Junior class and a number from the Senior class not exceeding fifteen per cent of the whole class and not more than twenty-five per cent of the number of candidates for the degree of A.B. The selection from the class is made from those having the highest scholastic standing. Only those members of the Junior and Senior classes are eligible for election who in addition to good moral character and a high scholarship record have satisfied all the requirements for the A.B. degree and have taken in residence at Gettysburg College three-fourths of their work. No one is eligible who has not shown evidence of broad general culture. In making the selection of members, rank in class, literary and similar college activities, qualities of leadership, and promise of usefulness are taken into consideration.

The Phi Beta Kappa Society, which was founded at William and Mary College, December 5, 1776, stands for the highest ideals of scholarship, and embodies the spirit which is historically that of the American College—that of liberal education as distinguished from professional or technical training; and in its elections to membership recognizes those students who give the greatest evidence of devotion to these ideals,

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imposing upon them the duty of carrying them and the ideals of integrity, honor, and usefulness into the common life of humanity outside the school. In those colleges and universities where chapters exist, election to Phi Beta Kappa is considered the first of all honors.

Kappa Phi Kappa

Gettysburg Epsilon Chapter of Kappa Phi Kappa, the national undergraduate fraternity for students in Education, was installed December 18, 1922. Seniors, Juniors, graduate students, and alumni are eligible for membership, which is limited to those definitely interested in the field of Education. Scholarship and leadership are necessary qualifications.

Tau Kappa Alpha

A chapter of Tau Kappa Alpha, an honorary forensic fraternity founded at Butler College in 1908, was installed at Gettysburg College in 1917. The purpose of the fraternity is "to recognize excellence in public speaking and to develop and promote interests in oratory and debate among the students of colleges and universities."

Membership is limited to those members of the undergraduate body who have participated in intercollegiate forensic activities, and graduate members who have contributed in an outstanding manner to the general advance of forensics. Invitation to membership, at Gettysburg, usually comes during the upper class years, and as a result of meritorious service in the forensic activities of the college.

The key to Tau Kappa Alpha represents superior attainment as a public speaker, and is much desired by those students taking part in the forensic activities of the college.

Beta Beta Beta

This is a national honorary fraternity for undergraduate students in Biology. Rho chapter is located at Gettysburg College. It was established in 1928.

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Sceptical Chymists

The Sceptical Chymists is an organization of chemistry majors and others interested in Chemistry. It is the purpose of the club to train its members in public speaking and to acquaint them with the newer developments in Chemistry. Meetings are held every two weeks thruout the year. The regular program is varied at times by the introduction of motion pictures and by addresses delivered by guest speakers.

Eta Sigma Phi

Eta Sigma Phi is the national undergraduate honorary fraternity of classical students. Alpha Pi chapter was installed at Gettysburg on May 29, 1931. Prior to that time the classical students of the college were organized as the Philhellenic Society. Eta Sigma Phi purposes to promote interests in classical studies, the history, art and literature of ancient Greece and Rome, and also to promote closer fraternal relationship among classical students. Membership is limited to upperclassmen having a serious interest in such studies.

Scabbard and Blade

A chapter of the national honorary military fraternity, Scabbard and Blade, founded at the University of Wisconsin in 1905, was installed at Gettysburg College February 17, 1922, as E Company, Third Regiment, of Scabbard and Blade. This fraternity, composed of the commissioned cadet officers of the Reserve Officers' Training Corps, was organized to promote a general intimacy between the military departments of the various universities and colleges, to develop the essential qualities in officers, to educate men in the military affairs of the country, and to spread intelligent information as to the military requirements of the country. At the present time the fraternity comprises seventy-eight companies including 13,500 members.

To be eligible for membership in Scabbard and Blade, a student must, aside from being a commissioned officer in the

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cadet corps, show evidence of high moral and broad general culture, preserve a high scholastic average, and take an active interest in campus affairs. U. S. Army officers and members of the college faculty may be elected as associate or honorary members.

Scabbard and Blade is an honorary military fraternity. Each year two prizes for efficiency in Military Science are awarded by the society:—an engraved saber to the student ranking highest in the advanced course; a smaller prize to the student ranking highest in the basic course. At the annual competitive drill of the R. O. T. C. a large trophy cup is presented to the company displaying the greatest proficiency in close-order drill and maneuvers. Various social functions are also sponsored by the fraternity:—the annual Military Ball; cabin parties and hikes in the mountains when new members are initiated and instructed; banquets at which visiting officers are entertained and given opportunity to speak to the members; and a Senior Farewell Camp in June of each year.

At the summer training camps Scabbard and Blade men from schools over the entire country meet and organize provisional companies for the duration of the camp. In these companies ideas are exchanged and courses of work for the coming year are mapped out. Also, a very close relationship between students and the Regular Army officers, many of whom are members of the society, is maintained.

To be elected to membership in Scabbard and Blade is the highest honor a military student may be accorded, and one well worth striving for. Here it is that the ideals and honor necessary to true citizenship are encouraged and developed.

Prizes

MUHLENBERG FRESHMAN PRIZE—The interest of a fund of \$500, contributed by F. A. Muhlenberg, D.D., LL.D., a former professor in this College, is given at the close of each year to that member of the Freshman class in the Classical Course who is found to have attained the highest grade of scholarship.

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BAUM MATHEMATICAL PRIZE—Charles Baum, M.D., Ph.D., Class of 1874, of Philadelphia, has contributed \$500, the income from which is to be given annually to that member of the Sophomore class who shows the greatest proficiency in Mathematics.

HASSLER LATIN PRIZE—Mr. Charles W. Hassler has furnished a fund of \$500, the interest of which is annually awarded to that student of the Junior class who, at the end of the year, shall be rated as the best Latin scholar.

GRAEFF PRIZE—This prize was founded by Mr. John E. Graeff, Class of 1843. The interest of a fund of \$500 is awarded for the best English essay from a member of the Senior class, on a subject previously assigned. The decision is made by a committee appointed by the Professor of English.

PRIZES IN DEBATE—The College provides prizes for the encouragement of skill in debating. The first contest takes place about the middle of November between teams chosen by the Sophomore and Freshman classes. The second contest, between teams chosen from the Junior and Senior classes, takes place about the last of November. The third contest, between the first and second victors, takes place about the first of December.

ELINORE TAYLOR BREWER GREEK PRIZE—The Class of 1883 has contributed the sum of \$500, the income from which is annually awarded as a prize to that member of the Sophomore class who has done the best work in the regular Sophomore Greek Course.

SAMUEL GARVER LATIN PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Latin during his Freshman year.

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SAMUEL GARVER GREEK PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Greek during his Freshman year.

KUHNS HISTORY PRIZE—Owing to the generosity of the Rev. Luther M. Kuhns, Litt.D., Class of 1883, an annual prize of \$30 is awarded to that member of the Senior class who has majored and done the best work in History.

MILITARY MEMORIAL PRIZE—The Alumni and friends of Gettysburg College have contributed a fund of \$500, the interest on which is to be awarded annually to the student who has attained the highest standing in either the first or second year of the Advanced Course as a member of the Reserve Officers' Training Corps.

THE EDWIN AND LEANDER M. ZIMMERMAN SENIOR PRIZE—The interest on a fund of \$1,000 contributed by Doctors Edwin and Leander M. Zimmerman is given at the close of each year to that member of the Senior class whose Christian character, class standing, and student influence cause him to be selected as the member of the Senior class who has contributed most to the upbuilding of Gettysburg College.

STINE CHEMISTRY PRIZE—The income from a fund of \$1,000 established by Mr. Charles M. A. Stine, Ph.D., Sc.D., of Wilmington, Del., Class of 1901, is awarded annually, at the end of the Senior year, to a student majoring in Chemistry. The winner of the prize is chosen on the basis of his Chemistry grades, laboratory technique, personality, general improvement in four years, and ability to handle the subject at the time of his selection.

No student shall be eligible for any honor or prize unless he has had at Gettysburg College all the work required for the

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year or years for which the honor or prize is awarded, unless substitutions shall be approved, at the time of award, by special Faculty action.

Scholarships and Aids for Students

STINE SCHOLARSHIPS—Chas. M. A. Stine, Ph.D., Sc.D., of Wilmington, Del., Class of 1901, has established an endowment fund which makes available three one-hundred-dollar loan scholarships, known as the Milton H. Stine Scholarships. These scholarships are awarded each year to young men preparing for the Gospel Ministry. Dr. Stine established these scholarships in honor of his father and mother.

BLOUGH SCHOLARSHIPS—Burton F. Blough, of Harrisburg, Pa., a member of the Board of Trustees, has established a scholarship endowment fund yielding three one-hundred-dollar loan scholarships. These scholarships are available on a loan basis to worthy students.

WELLINGTON SCHOLARSHIP—The interest on a fund of \$5,000, bequeathed by Senator George L. Wellington, of Cumberland, Md., is available each year toward the payment of the tuition of a deserving student.

BOARD OF TRUSTEES SCHOLARSHIPS—Endowed scholarships worth thirty dollars each and a limited number of scholarships worth fifty dollars each are awarded annually to deserving students by the Finance Committee of the Board of Trustees. All applications for these scholarships must be made in writing and must state in full the reasons for the request. Such applications must be handed to the President before October 1 of the college year.

KIRSCHNER SCHOLARSHIPS—Mr. and Mrs. C. J. Kirschner, of Hazleton, Pa., have established a scholarship endowment fund of \$10,000 to perpetuate the memory of their son, Alvan

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Ray Kirschner, who lost his life in the World War. The income from this fund is divided into two scholarships which are awarded to students under certain conditions which give preference to those from Hazleton and vicinity. Applications for the use of these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

MILLER-DEWEY EDUCATION FUND—The income from a fund of \$10,000 established by the late Rev. Adam B. Miller, A.M., a member of the Class of 1873, is annually available for the purpose of aiding deserving persons in obtaining an education at Gettysburg College. The graduates of Loysville Orphans Home have the first claim on these scholarships.

BATEMAN SCHOLARSHIP—The Rev. Sydney E. Bateman, M.D., Class of 1887, has established a scholarship fund of \$500, the income from which is awarded each year to a needy student preparing for the ministry. Applications for this scholarship must be handed to the President before October 1 of the college year.

PARENT EDUCATION SOCIETY SCHOLARSHIPS—The Parent Education Society controls eleven scholarships, worth thirty dollars each, which are open to young men preparing for the Lutheran Ministry.

Every student joining the college unit of the Reserve Officers' Training Corps (R. O. T. C.) receives substantial financial benefits. As outlined in detail on page 100 every member of the R. O. T. C. receives during his college course four complete uniforms (each including cap and shirt) valued at \$200. The cash paid direct to the student by the War Department for allowances for board, pay, and traveling expenses is \$253.40. Hence the total financial benefit to each student during his college course amounts to \$453.40. As this military course, itself of educational value, can be pursued without interfering with the required studies in any course, it should

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not only be attractive to all students, but should make a special appeal to those who are in need of financial assistance.

Several other thirty dollar scholarships have been endowed and are controlled by congregations, synods, and individuals. The Gettysburg School Board controls a fifty dollar scholarship established by C. W. Thompson, Esq., of Lebanon, Pa. The authorizations from those controlling these scholarships must be handed to the President before October 1 of the college year.

The children of clergymen are each annually awarded a scholarship amounting to one-half of the Tuition and General Fees, that is, \$150, on application to the President before October 1 of the college year. Beneficiaries of synodical aid pay \$250 per annum.

A considerable number of students are given part-time employment by the college in such positions as those of laboratory assistants, dormitory proctors, chapel pianist and chapel chorister, assistants in the offices of the Dean, the Registrar, and the Athletic Department. Others are employed in the Library, and in caring for classrooms, laboratories, and athletic equipment. Unless other compensation is stipulated, thirty-five cents an hour is allowed for these services.

The above student appointments are made by the Faculty; applications for such positions must be made in writing on a form provided for that purpose by the Dean and must be filed with him before May 1 of the preceding college year.

Any student wishing to engage in business or to undertake employment during term time is required to obtain permission from the President. Any violation of this rule is regarded as a misdemeanor.

Treasurer's Bills

The bills of the College Treasurer are made out for each semester and include half of each item for the college year. The bill for tuition, room rent, electric light, student chest, and laboratory or engineering fees, must be paid in advance at the beginning of each semester.

No student will be graduated until all financial obligations to the College and for class publications and other student interests have been discharged, except when a student has registered a timely protest with the Faculty and the claim for relief has been allowed. Certification of college work or statement of honorable dismissal will not be made until these financial obligations have been met.

College Fees

A Registration Fee of five dollars is required of all students on entering the College for the first time and is payable to the Registrar. For the regulations in regard to registration see page 20.

The annual charge for tuition is \$300 and may be paid in two installments, \$150 being due at the beginning of each semester. This charge is made for instruction; lectures, upkeep and use of grounds and buildings (does not include dormitory room rent); use of library, reading rooms, gymnasium and swimming pool; health and sanitation service. Every student is, however, required to pay a gymnasium locker fee of one dollar per semester during the Freshman and Sophomore years.

Students are required to pay an athletic fee of ten dollars. This fee admits to all athletic contests played in Gettysburg. It may be paid in two installments, five dollars being due at the beginning of each semester.

Each student pays a fee of ten dollars to be applied by the College Treasurer to the Student Chest Fund for distribution by him to the various student organizations.

An extra tuition fee of ten dollars is charged for each semester hour of college work in excess of sixteen per semester, or in excess of the number of semester hours required of the student, if that be more than sixteen.

Students not candidates for a degree, and pursuing studies which total less than fourteen semester hours, must pay ten dollars Tuition and General Fee per semester hour.

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Laboratory Fees

	1st. sem.	2nd. sem.	Breakage deposit per sem.
Biology 1, 2, 3, 4, 5.....	\$ 8.00	\$ 8.00	
Biology 6.....	2.50	2.50	
Biology 8.....	8.00		
Biology 11.....	7.50	7.50	
Chemistry 1.....	10.00	10.00	\$3.00
Chemistry 2, 4.....	10.00	10.00	5.00
Chemistry 3.....	10.00	10.00	7.00
Chemistry 5.....	10.00	10.00	
Education 11.....	10.00		
Engineering CE-A.....	5.00		
Engineering 6.....	7.50		
Engineering 7.....	5.00	
Engineering 12, 13, 31, 32, 47....	5.00	5.00	
Engineering 39.....	2.50	2.50	
Physics 1, 3.....	7.50	7.50	

In addition to these fees a charge is made for apparatus broken or not returned in good condition.

Boarding

The College does not maintain a dining hall. The students receive board in clubs and with private families at a cost of from five to six dollars per week.

Estimated Cost of a Year in College

The expenses of a college student depend largely on the training and habits of the individual. To aid the student rooming in a College dormitory to calculate the probable cost of a year in college at Gettysburg the following estimates are submitted:

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(A) ITEMS ON COLLEGE BILL

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition and General Fees.....	\$300.00	\$300.00	\$300.00
Room rent and heat (half dormitory room).....	17.00	30.00	50.00
Electric light (one lamp).....	10.00	10.00	10.00
Athletic Fee.....	10.00	10.00	10.00
Student Chest.....	10.00	10.00	10.00
<hr/>			
Payable to College.....	\$347.00	\$360.00	\$380.00

(B) OTHER EXPENSES

Board for 35 weeks.....	\$175.00	\$192.50	\$210.00
Laundry.....	25.00	30.00	35.00
Books and stationery.....	25.00	30.00	35.00
<hr/>			
Estimated cost for college year	\$572.00	\$612.50	\$660.00

To the preceding should be added laboratory or engineering fees in case the student takes courses involving such charges. The cost of furniture and clothing, railway fare, and other personal expenses is not included.

College Dormitories

The following rules govern the assignment of dormitory rooms in Pennsylvania Hall and McKnight Hall.

Non-resident students are required to room in the college dormitories unless excused by the Dean. Non-resident students rooming outside the dormitories will be charged \$7.50 each semester for this privilege, when dormitory accommodations are available, unless, for special reasons, this charge is remitted by the Faculty.

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No reservations of rooms beyond the actual needs of the student are permitted. No student is allowed to change his room without permission, and if he is allowed to do so, must sign a new rental contract.

Guarantee and Damage Deposit.—Every student rooming in a dormitory is required to sign a contract binding him to pay the rent and to occupy the room himself throughout the year. A deposit of ten dollars must accompany the contract, this deposit to be held as a guarantee and damage fund to cover breakage or any other damage to the room during the year. On June 15, the deposit, with the damage charge determined by the appraiser deducted, is refunded to the student. In case the student fails to take the room, the full deposit will be forfeited unless the college has been notified on or before August 15.

Key Deposit.—Every student rooming in the dormitory is required to pay to the Dean a key deposit of one dollar, said deposit to be refunded upon the return of the key to the office of the Dean. All dormitory keys must be surrendered on or before June 15 of each year or the deposit is forfeited.

Reservations by Members of the Student Body.—All rooms are declared vacant May 1 of each year. On this date the reservation of rooms for the next college year begins. Students desiring to remain in the rooms that they have been occupying have that right, provided they make application and sign the rental contract at the Dean's office before May 8. After that date all rooms not reserved in this manner are open for assignment, on the days announced by the Dean, to the members of the several classes in the following order: Juniors, Sophomores, Freshmen. Within the respective classes the rooms are assigned in the order in which the applications are received.

Reservation by New Students.—On May 20 rooms not yet reserved are available for new students. Applications should be

mailed directly to the Dean, who will make the assignments in the order in which the applications are received. The application must state the type of room desired: single, double, or suite. Because of the limited number of rooms available, prospective students are urged to make their reservations in the early part of the summer.

Dormitory Room Furniture.—All rooms are furnished by the occupants. Students graduating from college or changing from one room to another usually sell their furniture to the new occupants at a fair price mutually agreed upon. This plan is regarded as highly desirable by the college authorities. The Finance Committee of the Board of Trustees has engaged a competent appraiser not directly connected with the college to determine the value of the furniture when asked to do so. When students are unable to agree on the price of the furniture in a room, this appraiser will serve as an expert to adjust the matter. Any failure to make an adjustment on the basis of the findings of the appraiser must be referred to the Dean.

Student Property.—The College disclaims all responsibility for the care or safety of any property belonging to students. With the exception of furniture, mattresses, tacked-down carpets, and window shades, any student property left in a dormitory room during the summer vacation should be securely packed in barrels or boxes distinctly marked with the owner's name and the number of his room. No property should be left in closets or bureau drawers. This is to insure against possible loss and to facilitate the cleaning of the rooms.

Students Transferring to Other Rooms for the Following Year. In order to have the dormitory rooms available for the new occupants, especially for the incoming Freshmen, all students signing up for new rooms for the following year are required to transfer their furniture, either to the rooms they are to occupy or into storage, on or before June 15 of that year. Both room and key deposit will be held until this transfer has taken place.

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Room Rent

The charge for room rent, including steam heat, is given below for each room in the above-mentioned dormitories, and covers the period commencing the Monday before College opens in September and ending the Friday after College closes in June, with the exception of the Christmas vacation. The occupants of a room pay equal parts of the rental. Not more than two students are allowed to occupy one room or suite except in the cases of some of the larger suites. P indicates Pennsylvania Hall; McK, McKnight Hall.

\$34.00: 106, 108, 120, 122, 124, P.

\$36.00: 105, 107, 119, 121, 123, P.

\$38.00: 340, McK.

\$42.00: 103, 125, P.

\$44.00: 101, 127, P; 140, McK.

\$54.00: 111, 117, 118, P; 335, 336, 343, 344, McK.

\$56.00: 104, 126, P.

\$60.00: 240, McK.

\$62.00: 206, 208, 210, 220, 222, 224, 306, 308, 320, 322, 324, 406, 408, 410, 420, 422, 424, P; 337, 338, 341, 342, McK.

\$64.00: 205, 207, 219, 221, 223, 305, 307, 319, 321, 323, 405, 407, 419, 421, 423, P.

\$76.00: 232, 231, 245, 246, McK.

\$78.00: 204, 211, 217, 226, 304, 326, 404, 426, P.

\$82.00: 202, 203, 225, 228, 302, 303, 325, 328, 402, 403, 425, 428, P.

\$84.00: 201, 227, 301, 327, 401, 427, P.

\$100.00: 134, 146, McK.

\$104.00: 133, 137, 138, 141, 142, 145, McK.

\$106.00: 218, 312, 318, 412, 418, P; (suites of two rooms).

\$112.00: suites 331-333, 332-334, 345-347, 346-348, McK.

\$118.00: 242-244, 241-243, 235-237, 236 and 238, McK; (suites of two rooms).

\$120.00: 311, 317, 411, 417, P.; (suites of two rooms).

Rooms 111, 117, 118, 218, 312, 318, 411, 412, 417, 418, P, include a large study and good-sized bedroom. Odd numbers

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are on the south side of the building in Pennsylvania Hall and on the west side of the building in McKnight Hall.

The cost of electric light, five dollars per semester for each 40-watt Tungsten lamp or its equivalent, is charged on the regular College bills. Any damage done to a room will be charged up against the occupants. Only the Superintendent of Buildings and Grounds is allowed to change the locks on doors. The rooms must at all times be accessible to the College authorities. The occupants of a room will be held personally responsible for the order maintained in that room. Students disregarding Faculty or Student Council Dormitory Regulations will forfeit their rights as occupants. All the dormitories and student living rooms are subject to a weekly or semi-weekly sanitary inspection by the Medical Director of the College.

The Dean will be glad to furnish any additional information that may be desired about dormitory rooms as well as rooms in the homes of families living in town.

MATERIAL EQUIPMENT

Library and Reading Rooms

THE Library collection, at present numbering about fifty thousand volumes, together with a serviceable pamphlet and periodical collection, is in process of revision to meet the needs of the various departments of the college. The Dewey decimal system of book classification, now in use, is being replaced by the Library of Congress system, which is better adapted to the needs of a college library.

The appropriation for the Library is being increased constantly to meet the standards of adequate service. Generous book donations, such as the Zimmerman and Stuckenberg collections, book funds from the income of the College for the needs of each department, and a fund for the purchase of books granted by the Carnegie Corporation of New York in the fall of 1931 assure a current supply of authoritative material. The printed card catalogue, based upon bibliographic principles and arranged in dictionary order by author, title, and subject, facilitates access to the resources of the library. A reference collection of encyclopaedias, dictionaries, almanacs, atlases, and yearbooks is available for consultation. To aid instruction in the various departments, the Freshman class is taught the research use of a library.

In the fall of 1929, a new library building was opened to the students. This building, designed in the Georgian style to harmonize with the other buildings on the campus, is made of faced brick with a granite base and cast stone trim. The facade of the building is divided into three units: a large central motive is flanked by lower wings which project slightly in front of the central structure. Complete in every detail

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of its equipment, the building has a book capacity of one hundred thousand volumes and a seating capacity of three hundred readers. Provision has been made in the library for seminar rooms, stack space, reference and general reading-room needs. There are periodical reading-room facilities, a browsing room, and adequate accommodations for the library administration.

The library is open from 8:30 A. M. to 12 noon, from 1 P. M. to 5 P. M., and from 7 P. M. to 10 P. M., Monday to Friday inclusive, and from 8:30 A. M. to 12 noon Saturday. The library is closed Saturday afternoon until after the Thanksgiving recess, Saturday evening, Sunday, on such official holidays as are listed in the College catalog, and during the public lectures sponsored by the College.

To achieve the best results in administration, certain Faculty regulations are in force with which all readers are requested to comply.

Laboratories

The Biological Laboratories, on the main floor of Breidenbaugh Science Hall, consist of two large, well-lighted, communicating rooms, with an adjoining office and a lecture room. They are supplied with microscopes and all the other appliances necessary in carrying on the work of the courses outlined in the Department of Biology.

The Chemical Laboratories in Breidenbaugh Science Hall, as described on page 134, are amply equipped with all the conveniences, apparatus, and supplies required for general and analytical chemistry, including work in organic preparations, proximate analysis, examination of water, and other special subjects.

The Physical Laboratories, also in Breidenbaugh Science Hall and described on page 134, are equipped with modern and carefully selected apparatus for both elementary and advanced work and for lecture demonstrations. Alternating and direct electric currents are supplied at different points by means of a central switch-board, a motor generator, and a storage

battery. The apparatus includes a mercury diffusion pump, high grade balances, spectrometers, photometer, stereopticon, D'Arsonval galvanometers, Wheatstone bridges, potentiometers, voltmeters, standards of resistance, capacity, electromotive force, and self-induction; ammeters and voltmeters for direct and alternating currents; a complete dynamo and motor set illustrating different types of direct and alternating current machines (induction, synchronous, three-phase, etc.); an induction coil giving an 8-inch spark; high frequency coils; electric wave apparatus; telegraph and telephone outfits; and cathode ray and X-ray tubes.

Engineering Equipment

The equipment in the Engineering Departments is modern and adequate and is being augmented as necessity demands.

Instruction in mechanical drawing is given in a large room in Glatfelter Hall. The department is well equipped for the purpose and is supplied with drawings illustrating the best recent practice.

The surveying equipment serves for practice in all kinds of surveying. It includes transits, levels, plane tables, traverse boards, planimeters, level and stadia rods, tapes, and the usual hand instruments.

The facilities for materials testing include a 100,000 pound Riehle universal testing machine, with the necessary measuring instruments for the determination of the physical properties of steel, cast iron, wrought iron, timber, concrete, etc. There is also a cement laboratory, with a Riehle tensile briquette machine of 1,000 pounds capacity, and a variety of other apparatus for making all the standard physical tests of cement, sand, and mortar.

The pattern shop, located in a commodious room in the basement of Glatfelter Hall, is supplied with speed lathes and an oilstone grinder, also numerous benches and hand tools, all of the most modern type. In addition there has been provided foundry equipment of an elementary nature for illus-

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trating the fundamental principles of moulding. The College has installed a medium-sized engine lathe, a drill press, emery wheels, and numerous vises and bench tools. A portable forge with the usual collection of small tools has been added.

An Electrical Engineering laboratory has been established. There are facilities for work in both direct and alternating current phenomena. The apparatus includes several direct current motors and generators, a rotary converter, a synchronous motor, several polyphase and single phase induction motors, a number of transformers, and an assortment of direct and alternating current measuring instruments.

The Mechanical Engineering laboratory includes steam engines, a steam boiler, a gas engine, and automobile engines, together with the necessary indicators, injectors, colorimeters, and meters for making complete engine and boiler tests.

Buildings

PENNSYLVANIA HALL, erected in 1836-'38, was remodeled and improved in 1889, and again in 1925. It contains ninety rooms for students, many of them *en suite*, so that those who may wish can have separate study and sleeping rooms. The rooms are all heated by steam and lighted by electricity. On the first, second, and third floors are complete lavatories with hot and cold water.

McKNIGHT HALL, erected in 1897, is a dormitory building of three stories accommodating about fifty students. It is named in honor of Harvey W. McKnight, D.D., LL.D., Class of 1865, fourth President of the College. It is finished entirely in hard wood, heated by steam, and lighted by electricity. The first floor has eight rooms with spacious closets. These rooms may be used by one or two occupants, as preferred. On the second floor all rooms are *en suite*, each suite consisting of a study with one bedroom or two. These are also provided with closets. The third floor is divided into sixteen single rooms.

GLATFELTER HALL, erected in 1888-'89 and extensively remodeled in 1929, is used for general college purposes. It is

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named in honor of the late P. H. Glatfelter, of Spring Grove, Pa., a former trustee, who, with his family, has contributed largely to the college. A generous gift of more than \$100,000 from a friend of the College made possible the recent rebuilding of the hall. The building is fire resisting thruout, and marble, wrought iron, and terrazzo have been skillfully used in the construction of the corridors.

A unique system of departmental arrangement provides for recitation rooms on each side of the private office of the head of the department. All recitation rooms in the building are large and well lighted. The floors are of cork tile cemented over a solid base of reinforced concrete. Large new blackboards and bulletin boards have been provided for each room.

Improvements have been made in every detail of the structure. Steel has replaced much of the wood in the roof; new bearing partitions have been constructed of gypsum tile; windows have been caulked and weather-stripped to prevent leakage of air; and new doors of steel kalamein and bronze have replaced the old ones.

In addition to the improvements made in the building itself, others have been made in the nature of its equipment. Movable chairs of the writing-arm type are used in all classrooms, rest rooms have been provided, and new lighting and heating fixtures have been installed. These improvements have made Glatfelter Hall one of the finest and most complete recitation halls in the state of Pennsylvania.

The first floor is occupied by the office of the College Administration and by the Mathematics, Philosophy, and German Departments. The Departments of English, History, Latin, Greek, Romance Languages, and English Bible have their headquarters on the second floor. The Departments of Political Science and Economics, Education, and Engineering are on the third floor. In the basement are located the classrooms of the Department of Military Science and Tactics and the laboratories of the Engineering Departments.

BRUA MEMORIAL CHAPEL, erected in 1889-'90, is the gift of the late Col. John P. Brua, U. S. A., as a memorial to his

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parents. This building is used for daily prayers, and for Commencement exercises, lectures, and other occasions requiring a large audience room.

BREIDENBAUGH SCIENCE HALL is located north of the Robert Weidensall Y. M. C. A. building and is built of brick, colonial style. It is occupied by the Departments of Chemistry, Physics, and Biology. It contains two floors, a well lighted basement, and a large attic. The part of the building devoted to Chemistry consists of one large lecture room, with 205 seats, three smaller recitation rooms, five laboratories, two offices, a reading room, one balance room, and a stock room on each floor, with a large stock room in the basement and a preparation room adjacent to the large lecture room. About 400 students can be accommodated in the Department of Chemistry.

The part of the building devoted to the Biology Department consists of two laboratories, a lecture room, and an office, all equipped with modern furniture. The apparatus includes an autoclave, a projection lantern, microtomes, microscopes, kymographs, sterilizers, ovens, incubators, models, charts, skeletons, preserved and living material, and histological and embryological preparations necessary for a well-rounded course in Biology. To meet the increasing enrollment in the department additional apparatus is being added from year to year.

The part of the building devoted to Physics contains a large lecture room, four large laboratories, a photographic dark room, a photometer room, a store room, three apparatus rooms, a shop, and an office. The building is fitted with the most approved appliances and is well adapted to the teaching of the fundamentals of Biology, Chemistry, and Physics.

EDDIE PLANK MEMORIAL GYMNASIUM, a large and imposing structure of Georgian type, stands on the west campus as a tribute to one of the best known and best loved men who ever enrolled at Gettysburg College. It fulfills the combined functions of a gymnasium, social center, armory, and auditorium.

The lower floor is occupied by the R. O. T. C. with their rifle range and other facilities for instruction. Here also are

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locker and dressing rooms, showers, and living quarters for the caretaker. On the main floor are the offices of the Athletic Director and his assistants and the Medical Officer of the college, a memorial room, the gymnasium proper, with splendid facilities for all indoor sports, and a finely equipped stage and offices for the Owl and Nightingale Dramatic Club. On the second floor we find a balcony containing a rest room for ladies, a motion picture booth, other offices, and, at the stage end, dressing rooms and scene docks.

The building as a whole offers every opportunity for wholesome exercise and recreation. It overlooks Nixon Field on the one hand and Memorial Field on the other and is thus most conveniently located for all athletic purposes.

ROBERT WEIDENSALL Y. M. C. A. HALL is located immediately south of the Breidenbaugh Science Hall and is built of brick, colonial style. On the first floor the two main entrances, one from the east and the other from the west, admit to a large and attractive lobby and reception room. Here students meet for social intercourse and entertain visiting members of their families and friends. Adjoining these is a Ladies' Rest Room for the accommodation of women visitors. The College Reading Room, the Recreation Room, a kitchenette, and the offices of the Y. M. C. A. and Alumni Secretaries are located on this floor. On the second floor there is a commodious assembly room especially designed for prayer services and other religious meetings for students, as well as the Bible Study Room, the Mission Study Room, a Committee Room, and living quarters for the resident Y. M. C. A. Secretary. The chief feature of the basement is a swimming pool twenty feet by sixty feet for the free use of the students under careful sanitary regulations. There is also a locker room, a shower room, a room for the heating and filtering plant, and a room for the attendant. There are lavatories conveniently located on each floor. The building is named in honor of Robert Weidensall, LL.D., Class of 1860, the cost of construction having been assumed by the Woman's League of Gettysburg College.

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INFIRMARY. A well appointed Infirmary has been added to the College equipment. An eleven-room house, owned by the College, was remodeled and thoroly adapted to the care of sick students. Its arrangement is such that contagious cases are completely isolated from those of a general or non-contagious character. Painted walls and linoleum-covered floors insure quiet and sanitary conditions. The bathroom facilities are adequate and a diet kitchen with an electric stove is provided. The Infirmary has steam heat and is electrically lighted. An electric annunciator in the nurse's room is connected with a call button at each bed. All the wards have an abundance of natural light and are provided with the necessary cots, bedding, and furniture. An experienced resident graduate nurse has been secured and is on duty. The Medical Director of the College has general supervision.

Adequate provisions exist, therefore, to take care of cases of sickness that may occur among the students.

The Boiler House supplies the steam required for heating all the College buildings.

Besides these buildings there are on the campus the President's house, five halls erected by Greek letter societies, and two houses for janitors.

A professor's house, donated by Professor George D. Stahley, M.D., Class of 1871, has been erected on College ground, at the corner of Carlisle and Stevens Streets.

NIXON ATHLETIC FIELD, at the north end of the College grounds, covers an area of over seven acres. It affords room and facilities for all kinds of outdoor sports. To the north and east of the field more than a dozen tennis courts have been laid out for the use of the students.

MEMORIAL FIELD, just west of the Eddie Plank Memorial Gymnasium, was constructed at a cost of approximately \$25,000. It is perfectly drained and contains a steel and concrete grandstand.

Class Memorials

As testimonials of their love for their Alma Mater and substantial tokens of gratitude for what she has done for them, the classes indicated below have donated memorials to her as follows:

CLASS OF 1883—On the thirtieth anniversary of their graduation, the members of this class donated \$500 to the College, the income from which is awarded annually, under the name of the Elinore Taylor Brewer Greek Prize, to that Sophomore who does the best work in the regular Greek class.

CLASS OF 1892—On the thirty-fifth anniversary of their graduation the class of 1892 presented the memorial gateway opposite Stevens Street, north of McKnight Hall. The cost of this gateway was \$2000.

CLASS OF 1893—On the twentieth anniversary of their graduation, the members of this class presented the fine memorial gateway at the main entrance of the College campus. The approximate cost of this structure was \$1500.

CLASS OF 1899—On the fifteenth anniversary of their graduation, the members of this class presented the furnishings of the classroom for the Department of Philosophy and Education and a departmental library for that department. This equipment, costing nearly \$600, was presented as a Class Memorial to their classmate, the Rev. Jacob Hiram Straw, who died in the African mission field.

CLASS OF 1902—This class presented to the College a concrete walk extending from the entrance into McKnight Hall to the driveway in front.

CLASS OF 1906—This class gave a concrete walk that runs across the entire front of Pennsylvania Hall, connecting the various entrances.

CLASS OF 1907—This class paid for the wiring of all the halls and rooms of Pennsylvania Hall for electric light.

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CLASS OF 1912—This class erected the handsome light post in the center of the campus, with its cluster of five large electric light globes, and put down a concrete walk extending from this central point to Pennsylvania Hall, much of the actual labor being done by the members of the class.

CLASS OF 1913—The gift of this class was a concrete walk which extends from Pennsylvania Hall to Glatfelter Hall, connecting with the Gymnasium, and widening into a plaza in front of the entrance to Glatfelter Hall, with two handsome electric lamp posts on the two outer corners of the plaza. This class also put down part of the concrete walk in front of Thaddeus Stevens Hall.

CLASS OF 1914—This class gave a concrete walk which reaches from the main gateway to the center campus light, together with three walks extending to Brua Chapel.

CLASSES OF 1916 AND 1917—These two classes presented a concrete walk reaching from Thaddeus Stevens Hall to the Corner of Carlisle and Stevens Streets. All the labor of putting down this walk was done by the members of these classes.

CLASS OF 1914—On the fifteenth anniversary of their graduation, as a memorial to Edward Swoyer Breidenbaugh, Professor of Chemistry at Gettysburg College from 1874 to 1924, this class presented a handsome sundial which marks the spot where the old chemical laboratory once stood.

CLASS OF 1920—This class presented the electric light standards on the portico of Pennsylvania Hall.


CLASS OF 1921—This class paid for the concrete walk and steps extending from the main campus gateway to the Library.

CLASS OF 1922—The cases in the Robert Weidensall Y. M. C. A. Hall, containing the athletic trophies won by Gettysburg College students, were donated by this class.

CLASS OF 1928—This class paid for the concrete walk in front of the Eddie Plank Memorial Gymnasium.

STUDENTS' INTERESTS

Debating and Oratory

HE Forensic Arts are under the supervision of the Debating Council, which is composed of the varsity debating squad, the class debating teams, and the three men ranking highest in the annual oratorical contest, together with the Debating Manager and the coach. This organization arranges a schedule with a number of other colleges for contests in debate and oratory, thus giving ample opportunity for every man to prove his oratorical ability. A special duty of the Council is to arrange an extended tour every year for one of the varsity teams, thereby offering an additional advantage. A series of interclass debates is staged each year in which the winning teams of the preliminaries contend for the interclass championship. In addition to this, two junior varsity squads are kept in training, and are given the opportunity to participate in at least one intercollegiate debating contest.

The College is a member of the Pennsylvania Intercollegiate Oratorical Union, of which Franklin and Marshall, Muhlenberg, Bucknell, and Ursinus are associated members, and each year sends a representative to the annual contest. A local contest is held to select the representative. Membership in any of the debating teams is determined by a system of competitive try-outs, for which all students are eligible.

A chapter of Tau Kappa Alpha, a national fraternity whose purpose is to encourage proficiency in the Forensic Arts, is located at Gettysburg and annually elects into membership several of those participating in intercollegiate contests.

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College Y. M. C. A.

The Young Men's Christian Association, an organization of students and Faculty, is an active agent in encouraging religious interests among the students. With the splendidly equipped Robert Weidensall Y. M. C. A. Hall, and the services of a secretary, the Association functions as a religious and social center for the entire student body. The influence of the organization is most strongly felt in its major emphasis upon personal religious work among the students on the part of the staff and the student cabinet. By promoting such activities as Bible study, religious meetings, and campus service, and by encouraging benevolent giving, the Y. M. C. A. serves as a source of religious and moral life on the campus.

Musical Organizations

Musical activities are encouraged and supported thru the Gettysburg College Musical Association. This is a general organization, combining and supporting all the musical interests of the College. A faculty committee and representatives of the various musical organizations compose the executive committee of the Association and control all policies.

The present organization of the Association includes the College Band, the College Orchestra, and the Glee Club. For each of these organizations a capable graduate director is provided.

The member-organizations regularly assist in furnishing music for college functions and are also frequently called upon for service off the campus. Out-of-town trips give an added inducement to participation.

Under the rules of the Association, a member of any one of the member-organizations, after a specified term of participation, is awarded suitable insignia.

A high degree of proficiency is generally exhibited by the member-organizations, and students with musical ability are urged to present themselves as candidates for membership in such organizations as they are prepared to join.

Owl and Nightingale Club

The aims of this organization are to bring out the latent dramatic talent of the students in acting, scene painting, and play writing, and also to provide the college and the community with good entertainment. It is the dramatic workshop of the College.

As a part of its program to arouse interest in dramatics, this club has inaugurated a play contest, the winner of which receives twenty-five dollars in cash. The following are the rules for the contest:

1. Only bona fide undergraduate students are eligible.
2. There shall be but one act.
3. The play must be original. No translation or copyrighted play will be accepted. Short stories may be dramatized.
4. The time of the play must be the present.
5. The manuscript should not exceed forty pages.

Athletics

The various college athletic sports, football, baseball, basketball, tennis, soccer, and field sports are well organized. They are recognized as an important part of college life and receive encouragement, but under such regulations as, it is believed, will prevent them from becoming a possible source of demoralization to the student body and from interfering with the primary work of the institution. The plan under which these sports are conducted gives opportunity for and encourages every student to take part regularly in some outdoor exercise.

Participation in College Activities

Students are permitted to participate in any or all branches of athletics, unless parents or guardians have notified the Faculty to the contrary.

A student entering Gettysburg College from another college is required to be registered here for a period of one college year

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before he is permitted to take part in intercollegiate athletics.

Students on General Probation under the rules of the College are ineligible to represent the College in any activity. See page 109.

Student Chest

On petition from the Student Council representing the student body, the Board of Trustees adopted a system for handling fees of student organizations, known as a Student Chest. This system eliminates requests and campaigns for money by student groups and substitutes a student fee of five dollars per semester. This fee is payable to the College Treasurer at the beginning of each semester and is distributed by the Treasurer to the various student organizations.

Publications

The Gettysburg College Bulletin is published by the College four or more times during the year.

The Gettysburgian, under the control of the student body, is published weekly, and makes a specialty of College and alumni news.

The Y. M. C. A. Hand-Book, issued at the opening of each college year, gives valuable information and suggestions to incoming students.

The Spectrum, an annual publication of the Junior class, contains pictorial representations of the College with its various organizations and surroundings, and useful information about students and alumni.

After several years of omission, *The Mercury* has been reinstated among the College publications. Its field is that of literary expression rather than news. It is advised by the English Department and seeks to encourage the aesthetic in literary effort among the student body.

In 1929 the Alumni Office began the publication of a quarterly called *The Gettysburg Alumnus*. This publication

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is intended to enlighten the alumni on the College program. Its purpose is to bind together the alumni and their College.

All the periodicals aim at enlarging the means of communication between the College and its graduates, former students, and friends. These enterprises are cordially commended to the patronage of those interested in the welfare of the institution.

Addresses of Alumni

The College is anxious to keep in touch with its alumni and ex-students not graduates, and requests that all changes in address be sent to the Alumni Secretary.

Teachers' Placement

The College Course for Teachers is arranged to meet the requirements of the School Code of Pennsylvania, thus securing the College Provisional Certificate for the graduates of the College. See page 51. The attention of school boards, and others desiring teachers, is called to the fact that it is frequently in the power of the Faculty to recommend suitable candidates. Many graduates successfully fill important positions in public and private institutions. The College maintains a Placement Bureau for the purpose of assisting its alumni who are in the teaching profession to get in touch with vacancies, and to assist schools in finding teachers. The service is free.

The Director of the Bureau is Professor C. G. Reen.

Alumni Organizations

The Gettysburg College Alumni Association, founded in 1835, is constituted of graduates of the College and former students who were properly matriculated. It is organized to foster and promote the welfare of Gettysburg College and to maintain good fellowship among the members. While the Association meets but once each year, the governing body, the Alumni Council, meets twice annually to plan and execute organization affairs.

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The Association, by action of the Board of Trustees in 1876, nominates and maintains six Alumni Trustees. In addition, it maintains two members on the Athletic Council and a roster of officers sufficient to execute the purposes of the Association.

The officers of the Association are:

President

CLYDE E. GERBERICH, '13
MOUNT JOY, PA.

Vice-President

MELVILLE T. HUBER, '01
LANSDOWNE, PA.

Recording Secretary

WILLIAM G. WEAVER, '21
GETTYSBURG, PA.

Treasurer

THE FINANCE COMMITTEE

In 1929 the office of Alumni Secretary was created, the appointee to do full time service. He is official spokesman for the Association, supervises the routine of office management, and otherwise strives to carry out the purposes of the Alumni Association.

Alumni Secretary

CHARLES W. BEACHEM, '25
GETTYSBURG, PA.

Alumni Clubs

There are Alumni clubs in several populous centers, with others in the process of organization. These clubs strive to be centers of interest for Gettysburg College in their several communities. Prospective students living in the vicinity of a club will do well to get acquainted with the club officers. Following are the active Gettysburg Alumni clubs and their chief officers:

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The Altoona-Gettysburg Club

President, H. L. SAUL, 206 Third Street, Altoona, Pa.

Secretary, H. L. PEGG, 2013 Fifth Street, Altoona, Pa.

The Baltimore-Gettysburg Club

President, R. K. G. RICE, 509 First National Bank Building, Baltimore, Md.

Secretary, GEORGE S. DELO, 509 First National Bank Building, Baltimore, Md.

The Buffalo-Gettysburg Club

President, J. A. HATCH, 850 Potomac Street, Buffalo, N. Y.

Secretary, J. G. FLECK, 2 Wallace Avenue, Buffalo, N. Y.

The Cleveland-Gettysburg Club

President, W. S. MCCOLLOUGH, 1265 West 105th Street, Cleveland, O.

Secretary, D. F. LYBARGER, 422 Engineers Building, Cleveland, O.

The Harrisburg-Gettysburg Club

President, D. M. GILBERT, 218 Vineyard Road, Harrisburg, Pa.

Secretary, PAUL H. RHOADS, 1 Caplan Building, Harrisburg, Pa.

The Lancaster-Gettysburg Club

President, STACEY E. PETERS, 425 Charlotte St., Lancaster, Pa.

Secretary, Mrs. C. K. MILLER, 3 Princess Avenue, Lancaster, Pa.

The New York-Gettysburg Club

President, G. H. TRUNDLE, 100 William Street, New York, N. Y.

Secretary, N. G. ASBURY, 149 Broadway, New York, N. Y.

The Philadelphia-Gettysburg Club

President, D. MONTFORT MELCHIOR, Girard College, Philadelphia, Pa.

Secretary, JAMES P. GILLILAND, 119 S. 32nd Street, Philadelphia, Pa.

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The Pittsburgh-Gettysburg Club

President, L. N. CRISSMAN, 241 Maybrick Street, Mt. Lebanon, Pa.

Secretary, H. F. SHEETS, 320 Morrison Drive, Mt. Lebanon, Pa.

The Reading-Gettysburg Club

President, C. J. DIETRICH, 206 West Oley Street, Reading, Pa.

Secretary, D. J. SCHOFFSTAHL, 310 Oley Street, Reading, Pa.

The Washington-Gettysburg Club

President, A. E. TAYLOR, 1620 Fuller St., Washington, D. C.

Secretary G. F. WALTZ, 2927 Fifth St., N. W., Washington, D. C.

The York-Gettysburg Club

President, GEORGE H. HUMMEL, Maple Press, York, Pa.

Secretary, C. W. DIEHL, JR., 17 Manheim Street, York, Pa.

The Somerset-Gettysburg Club

President, J. H. BEERITS, 128 Center Ave., Somerset, Pa.

Secretary, D. G. FLOTO, 316 Main St., Meyersdale, Pa.

Student Council 1932-'33

RICHARD H. GIFFORD, '33

President

LAWRENCE B. MORRIS, '33 SAMUEL P. ELLENBERG, '34

Vice-president

Recording Secretary

HAROLD B. HALLMAN, '34 DONALD E. ENDERS, '33

Corresponding Secretary

Treasurer

JOHN T. RENSHAW, '36

Messenger

HERBERT W. SCHROEDER, '33

ROBERT F. JACOBS, '34

C. WOODROW ZECH, '35

T. P. REEDER, '35

STUDENTS IN COLLEGE

1932-'33

Senior Class

CLASS OF 1933

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Anderson, Eric Clinton	History	Nashua, N. H.
Barley, Ralph Evington	Philosophy	Roaring Spring
Beuchler, Stanley Charles	German	Pine Grove
Biggs, Marion Josephine	English	Orrtanna
Dimmerling, Mildred Fay	History	York
Dorn, Wesley Nicholas	Latin	Baltimore, Md.
Durboraw, Grace Benner	Mathematics	R. D., Gettysburg
Ehrhart, Kenneth Oyler	English	Gettysburg
Ernst, Earl Smith	English	Royersford
Gleichman, Paul Harold	English	Cumberland, Md.
Gouker, John Wilbur	Philosophy	Gettysburg
Hamsher, Carl Miller	English	Mechanicsburg
Harris, Dorothy Virginia	English	Baltimore, Md.
Hauser, Ellwood Luther	Philosophy	Oakland, Md.
Klingensmith, Robert Charles	English	Greensburg
Koser, John Theodore	Mathematics	Marysville
Leatherman, Clarence Daniel	Philosophy	Hummelstown
Morris, Lawrence Bernard	History	Phoenixville
Myers, Francis Bohn	English	Glen Rock
Ortlieb, Reinhart Bruno	Business	Dolgeville, N. Y.
Parker, George Gordon	Spanish	Mason City, Iowa
Ritter, Luther Waybright	Business	Keymar, Md.
Schroeder, Herbert Waldemar	Latin	Narrowsburg, N. Y.
Strevig, John Roland	Philosophy	Gettysburg
Teeter, Daniel Edmund	Political Sci.	Taneytown, Md.
Thomas, Jean Evelyn	English	Biglerville
Trostel, Hiram Weidner	Philosophy	Idaville
Turnbach, Edward Prentiss	English	Hazleton
Waltemyer, Miriam Esther	French	Gettysburg
Weaver, Paul Emory	Latin	Littlestown
Ziegler, Edgar David	Greek	York
Zinn, Margaret Elizabeth	Mathematics	Gettysburg

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Candidates for the Degree of Bachelor of Science

NAME	MAJOR	HOME
Amspacher, Lloyd Leroy	M. E.	Glen Rock
Anderson, Charles F.	Business	Connellsville
Armento, William Harris	Chemistry	Harrisburg
Azar, George	Biology	Altoona
Bankert, John Woodrow	Chemistry	York
Baum, Ernest Levi	Business	Lemoyne
Bawn, Arthur Ray	Business	West Lawn
Beachley, Frank Alvey	Chemistry	Middletown, Md.
Berkheimer, Ralph Albert	Chemistry	R. D., Thomasville
Bowers, John Zimmerman	Biology	Catonsville, Md.
Brown, Richard Anthony	Political Sci.	Gettysburg
Buchanan, Alfred Klaje	Mathematics	Plantsville, Conn.
Cowan, John William	C. E.	New York, N. Y.
Cowell, William Dougherty	Business	Philadelphia
Cronlund, Raymond William	Chemistry	Philadelphia
Crouse, Jacob Henry	Business	Philadelphia
Crouthamel, Roy Moyer	C. E.	Telford
Diehl, Austin Eugene	M. E.	Loganville
Eby, Charles Luther	Business	Harrisburg
Eden, Clair Edward	Biology	Gettysburg
Enders, Donald Earle	Biology	Lykens
Fisher, Frank Palmer	Chemistry	Pittsburgh
Gibbs, Vaughn Lyndell	Business	York
Gifford, Richard Henry	Business	Ambler
Gilbert, Charles Russel	Chemistry	Gettysburg
Gillespie, John Lawrence	Biology	Arlington, N. J.
Gnau, Percy John	Business	York
Gotwalt, Jacob Henry	Biology	Spring Grove
Harner, Elder Frederick	Business	York
Hauver, Herman Albert	Chemistry	Lantz, Md.
Hawkins, James Oberlander	Business	Spring Grove
Heaton, James	Mathematics	Washington, D. C.
Hege, Howard Milton	Chemistry	Williamson
Holtzapple, John Gordon	Business	York
Horning, Clark Sheldon	Chemistry	Royersford
Jones, Albert Meyrick	Business	Natalie
Karns, Coolidge Alexander	Chemistry	Everett
Kipp, Walter Ellsworth	Biology	Pittsburgh
Kirsch, Gustav Adolph	English	Jersey City, N. J.
Lenker, Luther Albert	Chemistry	Harrisburg

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Lucas, William Cline	Economics	York
Marchese, Samuel Frank	M. E.	Lodi, N. J.
McCarty, Austin Jerome	Business	Bethlehem
McCleaf, Edgar Lightner	Business	Fairfield
McGraw, John Dutt	Chemistry	Pittsburgh
McIlhenny, James Hervey	Chemistry	R. D., Gettysburg
McMillen, Kenneth Hubley	Business	Lancaster
McNaughton, Rodger William	Mathematics	Mt. Pleasant
Mergard, Frederick William	E. E.	Philadelphia
Merker, George Howard	Political Sci.	Darby
Messinger, Karl Henry	Biology	Kingston, N. Y.
Miller, Charles Henry	C. E.	Palmyra
Nissley, Robert Long	Political Sci.	Hummelstown
Null, Francis Witherow	E. E.	Taneytown, Md.
Oberlander, William Hamme	Chemistry	York
Painter, Clarence Eugene	Chemistry	New Freedom
Post, Beverly	History	Newfoundland, N. J.
Reehling, Harold Arthur	Chemistry	Hanover
Ritterpusch, Howard Homan	Chemistry	Baltimore, Md.
Robb, James Martin	English	Harrisburg
Scott, George Whyte	English	Lambertville, N. J.
Sheely, Raymond Franklin	Biology	Gettysburg
Shoemaker, Alvin Moore	History	Somerset
Steck, John Charles	Biology	Carlisle
Stoner, David Carrol	Chemistry	Gettysburg
Stoner, John Wilbur	Education	Lemasters
Strock, Howard Eugene	Business	Scranton
Tobias, Lyla Evangeline	Biology	Clearfield
Walker, Glenn Suder	Business	R. D., Meyersdale
Weatherby, Ellsworth	Business	Audubon, N. J.
Whitcraft, Gordon Davis	English	West Chester
Wise, Robert Eric	Chemistry	Hanover
Witters, Robert Harry	I. E.	Lebanon

Junior Class

CLASS OF 1934

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Achey, Oscar	History	Manheim
Althaus, Charles Frederick	Chemistry	Jersey City, N. J.
Bergstresser, Kendig Wade	Greek	Hanover

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Bowman, Harry Shaw	Latin	Harrisburg
Bowser, Milner Herbert	Chemistry	York
Brown, Donald Washington	Philosophy	Hanover
Callihan, Philip Russel	Mathematics	Narberth
Chenoweth, John Emory	History	Taneytown, Md.
Colestock, Emmert Glenn	History	New Oxford
Day, James Barr	History	Pottsville
Everhart, Robert Eugene	English	York
Fisher, James Norman	English	Warriors Mark
Fisher, Raymond Eugene	History	Lewistown
Flynn, George Noel	Political Sci.	Gettysburg
Foster, John Carl	French	York
Gobrecht, Ralph Wilson	Chemistry	Hanover
Gunnelt, Clifford Sheffer	History	York
Hamsher, Paul Oliver	Philosophy	Mechanicsburg
Hanson, Theophilus Painter	English	Gettysburg
Haynes, Donald Clair	English	Rohrersville, Md.
Jones, Henry Raymond	Philosophy	Philadelphia
King, Charles Leighton	English	Westminster, Md.
Kohr, Dale Landis	English	Middletown
Lark, George Henry	Political Sci.	Hackensack, N. J.
Leber, Eugene Irvin	Spanish	Jacobus
Livingood, John Newton Bower	Mathematics	Birdsboro
Malony, Russell Sylvester	English	Haddonfield, N. J.
Mercer, Harry Hunsiecker	Education	Mechanicsburg
Metzger, Frank Raymond	History	Harrisburg
Meyer, Gerard Edwin	English	Gettysburg
Moody, John Herbert	Political Sci.	Duncannon
Plack, Carl Robert	Philosophy	New Cumberland
Price, John McFerren	Philosophy	Waynesboro
Reisz, Howard Frederick	English	Parkville, Md.
Riley, Jacob John	Political Sci.	Gettysburg
Smith, Paul Heiges	English	New Freedom
Sprenkle, Charles Raffensperger	Business	Hanover
Staub, Charles Earl	German	Hazleton
Steckroth, Harold George	German	Hazleton
Theisz, Andrew Francis	English	Baltimore, Md.
Utz, Lester Milton	Philosophy	Hanover
Whetstone, John William	Philosophy	Waynesboro
Wolf, Charles William	English	Gettysburg
Wolf, Richard Charles	English	Bloomsburg

GETTYSBURG · PENNSYLVANIA

Candidates for the Degree of Bachelor of Science

NAME	MAJOR	HOME
Altland, Paul Daniel	Biology	York
Amspacher, Wilbur Henry	Chemistry	Glen Rock
Babylon, Thomas Cover	Political Sci.	Westminster, Md.
Barrett, Edward Earl	Business	Norristown
Bastian, William Ward	Business	Williamsport
Bell, Albert Daniel	Physics	Gettysburg
Bernhard, Karl Joseph	M. E.	Jobstown, N. J.
Birely, Samuel Luther	Political Sci.	Thurmont, Md.
Blackburn, Charles Raymond	Business	Philadelphia
Bortner, Clyde Randall	Biology	Hanover
Butterfield, Thomas Emil	C. E.	Sharon Hill
Calvert, Wallace Arnold	History	Philadelphia
Chubb, Franklin Daugherty	Chemistry	Highspire
Coupe, George Hector	M. E.	Cadogan
Derickson, Harry Newton	E. E.	Pine Grove
Dettrey, John Franklin	Business	Philadelphia
Dracha, Wilmer	History	Reading
Eckert, Harold Eugene	E. E.	Tyrone
Ellenberg, Samuel Pollock	History	Philadelphia
Eshenour, Ottomar Lutz	Chemistry	Harrisburg
Evans, Robert Alexander	Business	Chambersburg
Fahs, Winfield Roland	Business	York
Folkemer, Paul Louis	History	Baltimore, Md.
Frasch, Herman Frederick	Chemistry	Harrisburg
Frey, Robert Burns	Chemistry	York
Gillespie, James Armand	E. E.	Arlington, N. J.
Goyne, Ralph Carol	Business	Ashland
Green, John Graybill	C. E.	Dauphin
Greenaway, Walter Thomas	Chemistry	Hanover
Hagerty, Mahlon Russel	English	Philipsburg
Hain, Charles George	Chemistry	Harrisburg
Hall, Allen Ramsay	Chemistry	Elizabeth, N. J.
Hall, Collins Fremont	Biology	Williamsport
Hallman, Harold Bartlett	Chemistry	Pennsburg
Hespenheide, Henry August	C. E.	York
Hess, Charles Robert	Biology	Harrisburg
Hetrick, David William	I. E.	Connellsville
Hill, William Samuel	Chemistry	Pottsville
Hoke, Francis Rowe	E. E.	Emmitsburg, Md.
Houghton, Russel Marsh	Chemistry	Clark
Howard, John Joseph	History	Bethlehem
Jacobs, Robert Frederick	Business	York

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Kindig, John Allan	Mathematics	Littlestown
Kitzmiller, Ivan Guyon	Business	Gettysburg
Kline, Howard Edmund	Chemistry	Royersford
Kochenour, Earl Franklin	Chemistry	York
Lambie, James	Philosophy	Philadelphia
Lapp, Willard Hassell	Chemistry	Malvern
Lawther, Wendell Carrier	Mathematics	Boswell
Lee, Paul Robert	Chemistry	Everett
Maust, John Daniel	Mathematics	Gettysburg
Miller, William Homer	Chemistry	Woodstown, N. J.
Miller, Wilton Raphael	History	New Oxford
Morrill, Robert	Political Sci.	Englewood, N. J.
Mulligan, Edward William	Biology	Red Bank, N. J.
Mumford, John David	Biology	Ellicott City, Md.
Nix, Robert Dickie	Chemistry	Cadogan
Olkewicz, Joseph John	Business	Phoenixville
Parker, John Cortland	M. E.	York
Peterman, Robert Adams	Biology	Hicksville, N. Y.
Peters, Robert Kleopper	Physics	Aspers
Polley, Lewis Krise	C. E.	Fairfield
Rivenburgh, Asa Reid	Chemistry	R. D., Carbondale
Rudisill, Mervin David	Chemistry	Lykens
Shanebrook, Richard Schwartz	Philosophy	R. D., Littlestown
Sharp, Martin Burke	Biology	Cumberland, Md.
Sieling, James	Business	Glen Rock
Sjoholm, George Edward	Business	Narberth
Smith, Clinton Edward	C. E.	Frederick, Md.
Smith, Rodman	English	Norwood
Stauffer, Howard Hamilton	Biology	Gettysburg
Sterling, German Sidney	Business	York
Sternat, Theodore Matthew	Chemistry	Millersburg
Stockberger, Robert Ellsworth	Business	Slickville
Strode, John Porter	Business	Red Bank, N. J.
Taylor, William Wallace	Chemistry	Williamsport, Md.
Tender, Isaac Joseph	Chemistry	Paulsboro, N. J.
Ulrich, Robert Keister	Chemistry	Highspire
Vanderwall, Frank Conrad	Biology	Linden, N. J.
Wainright, Melvin A. Rice	Biology	Shrewsbury, N. J.
Walters, George Frederick	English	Harrisburg
Weary, Hermas Lester	English	Carlisle
Wiley, Richard Thornton	Physics	Llanerch
Witmer, Samuel Grenewald	Biology	Hanover
Woodward, Willard Paxson	Chemistry	West Chester

GETTYSBURG · PENNSYLVANIA

Sophomore Class

CLASS OF 1935

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Arnold, Luther Bringmen	Economics	Bellefonte
Baker, Herbert Wood	Chemistry	Middletown, N. Y.
Banks, Joseph Henry	Business	Llanerch
Barkley, Daniel Luther	English	Shippensburg
Barr, Lester Seymour	Biology	Linden, N. J.
Bender, William Allison	Chemistry	Chambersburg
Bers, Sol N.	Chemistry	Philadelphia
Bollinger, Charles Richard	History	Emmitsburg, Md.
Bomberger, Clarence Hoke	Chemistry	Palmyra
Bower, Henry Lloyd Wolf	Chemistry	Lafayette Hill
Bowers, Louis Thorn	Greek	Newton Square
Bowlus, Richard Stanley	English	Middletown, Md.
Brazel, James	Chemistry	Newburgh, N. Y.
Brown, Guy Edward	Latin	Fairfield
Brown, Harold Deardorff	History	Fairfield
Brown, William Valgean	———	Lebanon
Bulleit, Edward Banister	Political Sci.	Gettysburg
Caldwell, Craig Franklin	History	Chambersburg
Cavell, Angelo Ciavarella	Biology	Cincinnati, O.
Chamberlin, Charles Abiel	German	Lebanon
Chronister, Carl Frank	Business	Harrisburg
Dean, Paul Mitchell	Economics	Hanover
Dise, Preston Wyckoff	Business	Cleveland, O.
Drake, Kenneth Stephens	Political Sci.	Altoona
Dunbar, Francis Raleigh	Business	Ingram
Dunlevey, David Black	History	Centralia
Edwards, Frank Groff	Chemistry	Clymer
Erickson, Robert Donald	Business	New Brunswick, N. J.
Etzler, Charles Earl	Business	Hanover
Ewing, Herbert Snooks	Biology	Red Bank, N. J.
Foellner, Arthur	English	Ferndale
Frazier, Charles Calvin	English	Bellwood
Frey, Emerson Thomas	Philosophy	York
Gabriel, Chester Taylor	Business	Washington Crossing, N. J.
Garverick, Charles Stouffer	Mathematics	Somerville, N. J.
Gemmill, Emerson Conway	Philosophy	Red Lion
Gill, William Hayes	Economics	Harrisburg
Goehring, Warren Roth	English	Pittsburg

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Greenwell, Robert Ernest	Mathematics	New York, N. Y.
Grove, Alvin Russell	Chemistry	Harrisburg
Guise, Richard Christian	Chemistry	R. D., Gettysburg
Guy, Leslie Seymoure	Business	Pittsburgh
Hamme, Victor Lavern	Mathematics	York
Hare, Luther Lee	Philosophy	Baltimore, Md.
Hartman, Owen Wister	Chemistry	R. D., Chambersburg
Harvey, Joseph Irvin	Chemistry	Harrisburg
Heiges, Russell Wagner	Chemistry	Harrisburg
Henry, Kenneth Loose	—	Menges Mills
Henry, Paul Eugene	History	Harrisburg
Hepford, Edward Wilcox	English	Harrisburg
Hill, George William	Business	Harrisburg
Hummel, Conrad Daniel	Biology	Easton
Jacobs, John Dress	Chemistry	Harrisburg
Jean, Archibald Knisely	Business	Harrisburg
Jones, George James	Chemistry	Natalie
Jones, Warren Ramsay	Business	Littlestown
Kadel, William Howard	English	Gettysburg
Kaufman, John Bruce	History	Pleasant Hall
Kirkpatrick, Robert William	Philosophy	Palmyra, N. J.
Kozma, Anthony Karl	History	Berwick
Kulman, Charles Nikander	Mathematics	Brooklyn, N. Y.
Lange, Austin Joseph	Political Sci.	Brooklyn, N. Y.
Latorre, Joseph Steve	Biology	West Pittston
Leas, John Elmer	English	York
Levengood, Charles Milton	Business	Norristown
Lindaman, Francis Charles	English	Littlestown
Lipperine, Albert Daniel	Biology	Pittston
Long, Henry Melvin	Philosophy	Cumberland, Md.
Lower, Marion F. R.	Political Sci.	Roaring Spring
MacMillan, George	Business	Atlantic City, N. J.
Manning, Mervin Eugene	History	Harrisburg
McClure, Robert Fisher	English	Harrisburg
McCullough, Robert	Economics	Gettysburg
McGinnis, Daniel R.	History	Lancaster
McNeillie, Charles Edward	History	Midland
McNulty, James Edward	Business	Coalport
Meier, Harold Isaiah	Chemistry	Johnstown
Messinger, Samuel Joseph	Economics	Kingston, N. Y.
Millar, Peter Jacob	Education	New Oxford
Miller, James MacPherson	—	DuBois
Miller, Russell Calvin	Chemistry	Harrisburg

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NAME	MAJOR	HOME
Miller, Raymond Milton	Greek	Baltimore, Md.
Nagle, Robert Smith	Philosophy	Pottsville
Niemtzow, Abraham	Chemistry	Freehold, N. J.
Norton, William Berry	Philosophy	Baltimore, Md.
Nye, Harry Custer	Chemistry	Harrisburg
Palilonis, Paul	Chemistry	Swedesboro, N. J.
Phillips, Henry Lewis	————	Sunbury
Poole, Donald Raymond	Philosophy	Baltimore, Md.
Prowell, Cleon Franklin	Latin	Harrisburg
Quick, Raymond John	Economics	Kingston, N. Y.
Reaser, Joseph Clayton	————	Gettysburg
Reed, Jean Harper	Business	Crowl
Reeder, Taylor Praul	History	Trenton, N. J.
Restak, Lewis Joseph	————	Steelton
Richard, James Day	History	Collingdale
Ritz, Bruce LeRoy	Chemistry	Waynesboro
Roberts, Bissett Jermiah	Business	Harrisburg
Robison, David Elmer	History	Berwick
Runk, Robert Harold	Chemistry	Harrisburg
Schiebel, Robert Charles	Greek	Hanover
Schreckengast, Samuel Agison	German	Harrisburg
Schroeder, Walter Carl	English	Narrowsburg, N. Y.
Sedwick, Jesse Dwight	————	Kittanning
Seifert, Elmer Franklin	Philosophy	Hellertown
Sheetz, Andrew Coleman	French	Harrisburg
Shimer, Harry A.	Biology	Bedford
Smeal, Maurice McClellan	Philosophy	Clearfield
Smith, Robert Craighead	German	Harrisburg
Snyder, Charles William	Latin	Seven Valleys
Spengler, Nelson Weaver	Political Sci.	Harrisburg
Stare, Herbert Stover	English	York
Stevens, Charles Robert	French	Heidlersburg
Stone, Edward Carleton	Business	Pittsburgh
Stoner, Brooke Harold	Chemistry	Hanover
Stover, Henry Dean	Chemistry	Littlestown
Sullivan, Charles Austin	Greek	Hanover
Sutherland, Robert Clive	Chemistry	Pennsgrove, N. J.
Swope, Donald McCurdy	Political Sci.	Gettysburg
Thomas, Powell Stackhouse	English	Germantown
Timmins, William Dawson	Biology	Pennsgrove, N. J.
Tomchik, John Michael	————	Lansford
Tracy, Stephen Edward	History	Philadelphia
Visco, John N.	————	Newark, N. J.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Walker, John Robert	Chemistry	Berlin
Wallgren, Charles Watson	Chemistry	Prospect Park
Waters, John Mitchell	Chemistry	Washington, D. C.
Wenrich, Harry Edgar	Mathematics	Hummelstown
Wentz, Edward Ellsworth	Business	Lock Haven
Wise, Harry Robert	English	Harrisburg
Witherspoon, John Marlin	Chemistry	R. D., Chambersburg
Woods, Wayne Robert	Greek	Pittsburgh
Zech, Charles Woodrow	Business	York
Zech, Harry Frederick	Political Sci.	R. D., York

Candidates for the Degree of Bachelor of Science

Boger, Russell	M. E.	Reading
Brown, William John	E. E.	Palmyra, N. J.
Hough, John Wallis	E. E.	Racine, Wis.
Knorr, Paul Theodore	M. E.	Trucksville
Larson, Eric Fredolph	M. E.	Gettysburg
McCracken, David Dalzell	E. E.	New Kensington
Meyers, Esli Shartle	E. E.	Mercersburg
Nary, Blaine Edgar	E. E.	Orrtanna
Nix, William Henry	C. E.	Cadogan
Nowicki, Edward Joseph	C. E.	East Hampton, N. Y.
Ott, Charles Dorsey	E. E.	Gettysburg
Parkinson, Ralph Ashfield	C. E.	Brooklawn, N. J.
Smith, Floyd Clair	C. E.	Riverton, N. J.
Smith, Robert Woodrow	C. E.	Taneytown, Md.

Freshman Class

CLASS OF 1936

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Allewelt, Arthur Leonard	————	Hanover
Bare, Bruce Maurice	————	Philadelphia
Barrick, Robert Elmer	————	Walkersville, Md.
Barron, Lloyd Eugene	————	Harrisburg
Beck, Robert A.	————	Hanover
Benner, Robert Calvin	————	Taneytown, Md.
Bergstresser, Edwin Lot	————	Hanover
Bomberger, Martin Luther	————	Lebanon
Bortner, Doyle McClean	————	Dagsboro, Del.
Bower, Dean Harold	————	Gettysburg
Bowersox, George Edward	————	Leechburg

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Bream, Ronald Joseph	————	Gardners
Bredbenner, Joseph William	————	Berwick
Brenneman, Lavern Harvey	————	Seven Valleys
Bristol, William Baker	————	Germantown
Brown, George Lance	————	Huntingdon Valley
Burkhart, Harold Myers	————	Chambersburg
Charmbury, Herbert Beecher	————	Hanover
Childs, James Rogers	————	Merchantville, N. J.
Cico, John Adam	————	Steelton
Coble, William Wilson	————	Mercersburg
Conroy, Charles Joseph	————	Reading
Cooke, Leonard F.	————	Bethayres
Correll, Paul Harvey	————	Catonsville, Md.
Culp, John Alexander	Business	Arnold
DeVries, Roger William	————	Rutherford, N. J.
Dick, George J.	————	Biglerville
Donehoo, George Smith	————	Harrisburg
Dunkelberger, Harold Aberly	————	Gettysburg
Dunkelberger, John A. William	————	West Chester
Echelmeyer, Frederick William	————	Philadelphia
Eckert, Frederick John	————	Baltimore, Md.
Einbeck, August Carl	————	Grantwood, N. J.
Elder, Goldson Reid	————	New Haven, Conn.
Eriksen, Leonard Henry	————	Jersey City, N. J.
Fastnacht, Frederick Stabley	————	York
Fertner, Martin Luther	————	Red Lion
Field, Jesse Waldron	————	New York, N. Y.
Fink, Richard Clay	————	Littlestown
Frazer, Edgar Kister	————	Lemoyne
Frey, Donald Snively	————	York
Frey, Paul Livingston	————	York
Garver, Stuart Paul	————	York
Gossert, Robert Frank	————	Shippensburg
Graham, Julian Burns	————	East Haddam, Conn.
Greenwell, Waldron Eugene	————	New York, N. Y.
Gunnet, Ray Arlington	————	R. D., York
Haas, Robert Whitner	————	Allentown
Haer, Frederick Bence	————	Marion Center
Hake, Charles Carlton	————	Gettysburg
Hall, Burton Adam	————	Philadelphia
Harbold, Harold Valentine	————	Dallastown
Hartman, Herman George	————	R. D., Biglerville
Heckert, George Owen	————	York

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Henry, John Robert	————	Menges Mills
Henry, Paul William	————	York
Hershberger, Don LaVann	————	Johnstown
Heydrich, Jack Fabel	————	Lock Haven
Hofmann, Charles Edward	————	Glenside
Horner, Harley Gifford	————	Lakewood, N. J.
Huber, Arthur Martin	————	Pottsville
Jackson, Brinton Walter	Economics	Harrisburg
James, Robert Allen	————	Bedford
Justin, Frederick DeWitt	————	Merion
Karmany, William Hummel	————	Hummelstown
Keet, George King	————	Harrisburg
Kellow, Norman Bates	————	Manoa
Krumwiede, William Carl	————	Rochester, N. Y.
Kuskin, Emanuel Samuel	Chemistry	Newark, N. J.
Latshaw, Richard Winner	————	Spring City
Leighton, Frank	————	Ventnor City, N. J.
Leinbach, Ralph Bernhart	————	Garden City, N. Y.
Lindemuth, Paul Ernest	————	Ashland
Long, Frank Mason	————	Pennhurst
Lumpkin, John Everett	————	Ramsey, N. J.
Martin, Samuel Manookian	Political Sci.	Pine Grove
McCahan, William John	————	Upper Darby
McClintock, Larson Henry	————	Johnstown
McElhiney, Willaim Roger	————	Greensburg
McElroy, Wilbur Renfrew	————	Fayetteville
McGill, Ernest	————	Thurmont, Md.
McIlhenny, John William	————	R. D., Gettysburg
Menzie, Jack Junior	————	New Oxford
Miller, Charles Wilson	Political Sci.	East Orange, N. J.
Miller, Clarence William	————	Hazleton
Morreale, Joseph Harold	————	Middletown, N. Y.
Morris, Robert	————	Reading
Nichols, Robert Horace	————	Hagerstown, Md.
Ortner, Hyman Herman	————	Linden, N. J.
Ott, Albert Bergstresser	————	Selinsgrove
Parkin, Edwin Harris	————	Newton Center, Mass.
Parulis, Albert Joseph	————	Minersville
Pittenger, Emory Melvin	————	Mahaffey
Pitzer, Robert Taylor	————	Aspers
Pletcher, Paul Schenck	————	Howard
Preston, Charles William	————	Baltimore, Md.
Puma, Sam Joseph	————	Pittston

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NAME	MAJOR	HOME
Reighter, Karl William	————	Harrisburg
Renshaw, John Travis	————	Phoenixville
Reutter, Richard Earle	————	Narberth
Rigby, John Kenneth	————	Johnstown
Riley, Joseph Henry	————	Gettysburg
Ronk, Emerson Skidmore	————	Suffern, N. Y.
Rubin, Sidney B.	————	Harrisburg
Schluderberg, Herbert Luther	————	Baltimore, Md.
Serena, Samuel Robert	————	Staten Island, N. Y.
Shafer, Russell Morey	Economics	Hanover
Shank, Weldon Baxter	————	Emmitsburg, Md.
Sheese, Frederick George	————	Hepburnville
Shipley, Ralph	Mathematics	Rainsburg
Snyder, Herbert Austin	————	Montgomery, W. Va.
Snyder, John Frederic	Biology	Lebanon
Snyder, William Ulrich	————	Washington, D. C.
Sobolesky, Albert Edward	————	Minersville
Sowers, Clyde Lester	————	R. D., Fairfield
Stein, Gerald Bernhard	Chemistry	Harrisburg
Steininger, Stuart Winford	————	Harrisburg
Stonesifer, Donald Reid	————	Hanover
Strauss, Wilbur Allison	————	Lansford
Strong, Wilder Cossitt	————	Gloversville, N. Y.
Taxis, Alfred Levis	————	Huntingdon Valley
Thomas, James Harold	————	Harrisburg
Thompson, Otto C.	————	Lakewood, N. J.
Tomlinson, William Henry	————	Swissvale
Tribley, Woodrow DeLaney	————	Clearfield
Trunk, Charles Frederick	————	Coatesville
Ulrich, William Slocum	————	Downingtown
Weaver, Louis Schneider	————	York
Wenrick, John Linford	————	Harrisburg
Westenberger, Luke A.	————	R. D., Middletown
Work, Charles Robert	————	Connellsville
Wright, Glenn William	————	Pleasant Unity
Yingst, Chester Clarence	————	Blue Ridge Summit
Yost, Carl Elmer	————	R. D., York
Zeigler, Lester Leon	————	Carlisle
Zug, Richard Davies	————	Harrisburg

Candidates for the Degree of Bachelor of Science

Aurand, Paul Berket	E. E.	Tyrone
Bender, Paul Rudesel	M. E.	Berwick

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Davies, William Michael	M. E.	West Lawn
Dworsak, John	E. E.	Tyrone
Eicholtz, John Philip	E. E.	Gettysburg
Hoover, Ralph Gulden	M. E.	Huntingdon Valley
Ives, Donald McClean	C. E.	White Plains, N. Y.
Kapp, George Robert	C. E.	White Plains, N. Y.
Perls, Edmund Frederick	E. E.	New York, N. Y.
Rhodes, Edgar Nevin	E. E.	Emmitsburg, Md.
Sahle, Knute	M. E.	York
Shultz, Paul Snyder	E. E.	Gettysburg
Shank, Odell Jenning	M. E.	Emmitsburg, Md.
Tilley, Arthur Charles	C. E.	Newton Center, Mass.

Students not Candidates for a Degree

Anderson, William James	Muddy Creek Forks
Mantia, Mario F.	Brooklyn, N. Y.
Musselman, Jay Ellis	Fairfield
Neth, Philip O.	Colliers, W. Va.
O'Donnell, John Philip	Reno, Nev.
Showalter, Samuel Clair	Dallastown

Geographical Distribution of Students

Pennsylvania (Gettysburg 33)	407
New Jersey	46
Maryland	43
New York	25
Connecticut	3
District of Columbia	3
West Virginia	2
Massachusetts	2
Ohio	2
Delaware	1
Wisconsin	1
Iowa	1
New Hampshire	1
Nevada	1

GETTYSBURG • PENNSYLVANIA

Summary

Students in College 1932-'33

	Men	Women	Total
Seniors.....	97	8	105
Juniors.....	129	..	129
Sophomores.....	148	..	148
Freshmen.....	150	..	150
Not candidates for a degree.....	6	..	6
	530	8	538

Students in Attendance Second Semester 1931-'32*

Seniors

NAME	MAJOR	HOME
Boyles, Robert Clay	Education	Gettysburg
Messec, John Schweizer	Chemistry	Trenton, N. J.

Juniors

Beuchler, Stanley Charles	German	Pine Grove
Ritterpusch, Howard Homan	Chemistry	Baltimore, Md.

Sophomores

Rivenburgh, Asa Reid	Chemistry	Carbondale
Rudisill, Mervin David	Chemistry	Lykens

Freshman

Brown, William Valgean	_____	Lebanon
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Students not Candidates for a Degree

Bikle, Henry Charles	_____	Chambersburg
Miller, John Malcolm	_____	Mercersburg
Stiles, Millard Henry	_____	York

Commencement 1932

Salutatory

MELCHIOR JACOB SHEADS

Commencement Orator

THE HONORABLE JOHN HUSTON FINLEY, LL.D.
NEW YORK CITY

Valedictory

JOHN FREDERICK KOONS

* Too late to be included in catalog for the year.

GETTYSBURG COLLEGE

Graduates

Bachelor of Arts

Reinhardt Frank Bamberger	William Melchior Horn
Helen Gable Bergstresser	Elwood George Johnson
George Henri Berkheimer	John Frederick Koons
Janet Biesecker	Edwerth Ernest Korte
Margaret Horner Bigham	Daniel Wooster Long
Merle William Boyer	Ralph Williams Meckley
James Ellery Bristol	George Leonard Nicholas
Robert Edgar Carl	Melchior Jacob Sheads
Lloyd George Colio	Daniel Carroll Shepley
Andrew Ross Eyster	Ianthe Geraldine Smith
Edward Snively Frey	Millard Henry Stiles
George Knode Gelbach	Paul Ashworth Swank
Arthur Marks Gordon	George Vulgaris
Owen Lester Helfferich	Howard Oliver Walker
Sara Brandt Hershey	Arthur Elder Millar Yeagy
Adrienne Hines	Eugene William Young

Bachelor of Science

Lauri John Anderson	Harold Marvin Craig
Joseph John Awdziejewicz	Kermit Henry Deardorff
Eugene Lea Bachman	Leon Eugene Devon
Tom Hollinger Baker	Donald Bream Diehl
Edward Spielman Bankert	Watson Whitmore Ebbert
Robert Clay Boyles	Edwin Morris Fisher
Harry Tross Barclay	Lawrence William Gulden
Bruce Hill Beahn	Stanley Bishop Gulick
John William Beamesderfer	Joseph Adrian Gustaitis
Charles Harnish Bear	Wilmer David Hamsher
Edward Clair Beard	Edwin Arthur Julian Hardy
Eugene Ray Beard	Maurice Arthur Heckman
Clair Alton Bentz	Robert Ludwig Herman
Levi Leatherman Bitler	J. Richard Hershey
William Early Bitner	John Roy Hill
Fred Vincent Boughter	Norman Hamme Himes
Kenneth Deardorff Bream	Charles Luther Hinkel
Carl Frederick Breisacher	John Curtis Hollinger
John Samuel Bricker	Irwin Lee Houghton
Jacob Carlton Britcher	William Lewis Jacobs
Robert Miller Bucher	Lawrence Prescott Kapp
Chauncey Reginald Buohl	William Chester Karns
John Philip Cassel	Joseph Harper Kleinfelter
Walter G. W. Clatanoff	Joseph David Krout

GETTYSBURG • PENNSYLVANIA

David Frey Krug	Lowell Weicht Schlichter
James Weston Livingood	Raber Smith Seely
George Neff Lucas	Richard Duffield Shively
Lisle Ellsworth McCarl	Herbert Slane Smith
Hugh Cobean McIlhenny	Webster Cash Smith
Theophilus Spence Marks	Willard Groff Stauffer
John Schweizer Messec	Lester Carl Strausbaugh
Thomas William Metzger	Donald Brandt Strawbridge
William Banks Mickley	Carlton Louis Suplee
Henry Albert Moller	Robert Donley Taylor
Stewart Henze Moyer	Mardelle Alice Tipton
Orville Bittinger Orner	Ralph Ellison Toombs
Durando Pagani	Lester Frederick Wagner
Lloyd Levere Panebaker	Oscar Samuel Wagner
Conrad George Peters	Stanley Earl Walker
Samuel Reger Philson	John Nathan Weaver
Glenn Leroy Pitzer	Willis Levi Weikert
Charles Victor Reed	Willard Herbert Wood
Michael Ernest Santaniello	Ira Foster Zeigler
Joseph Dise Schantz	Joseph Myron Zelch

as of the class of 1926

Joseph Wilbur Gibson

Master of Arts Degree

Helen Louise Dise	J. Floyd Slaybaugh
	Charles LaVerne Yost

Master of Science Degree

Simon Clopper	William Dale Fritz
William Lawrence Donaldson	Lloyd Bender Kindig
	Jack Baker Steckley

Honors

General Final Honors

Merle William Boyer	George Knode Gelbach
James Ellery Bristol	John Frederick Koons
John Philip Cassel	Melchior Jacob Sheads

Highest Class Honors

SENIOR

John Philip Cassel

JUNIOR

Dorothy Virginia Harris	Herbert Waldemar Schroeder
Clarence Eugene Painter	Raymond Franklin Sheely
	Paul Emory Weaver

GETTYSBURG COLLEGE

SOPHOMORE

Charles William Wolf

FRESHMAN

Robert Harold Runk

Samuel A. Schreckengaust, Jr.

Class Honors

SENIOR

Joseph John Awdziejewicz
George Henri Berkheimer
Merle William Boyer
James Ellery Bristol
Robert Edgar Carl
Watson Whitmore Ebbert
Edwin Morris Fisher
Edward Snively Frey
George Knode Gelbach

Charles Luther Hinkel
William Melchior Horn
William Chester Karns
John Frederick Koons
Hugh Cobean McIlhenny
Stewart Henze Moyer
Glenn Leroy Pitzer
Joseph Dise Schantz
Melchior Jacob Sheads

Arthur Elder Millar Yeagy

JUNIOR

John Woodrow Bankert
Alfred Klaje Buchanan
Wesley Nicholas Dorn

Percy John Gnau, Jr.
Daniel Edmund Teeter
Edward Prentiss Turnbach

Miriam Esther Waltemyer

SOPHOMORE

James Barr Day
William Samuel Hill
Howard Edmund Kline
Wendell Carrier Lawther

John N. B. Livingood
Frank Raymond Metzger
Howard Frederick Reisz
Joseph William Rose

Richard Charles Wolf

FRESHMAN

Carl Frank Chronister
Eric Fredolph Larson
Cleon Franklin Prowell

Bruce Leroy Ritz
David Elmer Robison
Herbert Stover Stare

Wayne Robert Woods

Departmental Final Honors in English

James Ellery Bristol
Merle William Boyer
Melchior Jacob Sheads

Departmental Final Honors in Latin

George Knode Gelbach

GETTYSBURG • PENNSYLVANIA

Departmental Final Honors in Greek

Robert Edgar Carl

Departmental Final Honors in Electrical Engineering

Joseph Dise Schantz

Prizes

Graeff Prize

Merle William Boyer

Stine Chemistry Prize

Watson Whitmore Ebbert

Glenn Leroy Pitzer

Garver Latin Prize

Cleon Franklin Prowell

Brewer Greek Prize

Howard Frederick Reisz

Kuhns History Prize

James Weston Livingood

Garver Greek Prize

Raymond M. Miller

Wayne Robert Woods

Hassler Latin Prize

Herbert Waldemar Schroeder

WITH HONORABLE MENTION OF

Wesley Nicholas Dorn

Paul Emory Weaver

Baum Mathematical Prize

Henry August Hesperheide

John Newton Bower Livingood

WITH HONORABLE MENTION OF

James Francis Grove

Muhlenberg Freshmen Prize

Robert Harold Runk

Samuel A. Schreckengaust, Jr.

GETTYSBURG COLLEGE

Edwin and Leander M. Zimmerman Prize

James Ellery Bristol

WITH HONORABLE MENTION OF

Edwin A. J. Hardy

York-Gettysburg Club Prize

William Lewis Jacobs

Blue Crocodile Prize

Luther Lee Hare

Military Prizes

Honor Graduate R. O. T. C., 1931-32

John Nathan Weaver

Military Memorial Prize

John Nathan Weaver

WITH HONORABLE MENTION OF

Charles Luther Hinkel

J. Richard Hershey

Levi Leatherman Bitler

Edwerth Ernest Korte

Scabbard and Blade Military Prize

FIRST YEAR ADVANCED COURSE

Raymond Franklin Sheely

WITH HONORABLE MENTION OF

Coolidge Alexander Karns

William Walter Durdin

Gordon David Whitcraft

SECOND YEAR BASIC COURSE

Robert Frederick Jacobs

WITH HONORABLE MENTION OF

Wesley Nicholas Dorn

Charles George Hain

James Francis Grove

John Daniel Maust

John William Whetstone

Active Service Men's Trophy Cup, Won by

COMPANY "B"

Capt. Edwerth Ernest Korte, Cmdg.

GETTYSBURG • PENNSYLVANIA

Distinguished Platoon

1ST PLATOON, COMPANY "A"

Lieut. Raber Smith Seely, Cmdg.

The 316th Infantry Rifle Marksmanship Trophy

2ND PLATOON, COMPANY "B"

Lieut. Stewart Henze Moyer, Cmdg.

Seniors Elected to Phi Beta Kappa

Merle William Boyer

James Ellery Bristol

John Philip Cassel

Watson Whitmore Ebbert

John Frederick Koons

Samuel Reger Philson

Melchior Jacob Sheads

Arthur E. M. Yeagy

Honorary Degrees

CONFERRED AT COMMENCEMENT 1932

Doctor of Divinity

Rev. Earl J. Bowman

Rev. Howard R. Gold

Rev. Sylvester C. Burger

Rev. William Cramp Ney

Gettysburg

New Rochelle, N. Y.

Narasapur, India

Brookline

Doctor of Literature

Rev. Milton H. Stine

Harrisburg

Doctor of Laws

President Herbert C. Hoover

Washington, D. C.

Doctor of Science

J. McCrea Dickson, M.D.

Edmund W. Meisenhelder, M.D.

Frank F. D. Reckord, M.D.

Gettysburg

York

Harrisburg

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CATALOG NUMBER

Gettysburg College Bulletin

*Formerly Pennsylvania College
Founded in 1832*

REGISTER FOR 1933 · 1934
ANNOUNCEMENT OF COURSES 1934 · 1935

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GETTYSBURG, PA.

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June, August, October, and semi-monthly in December.*

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under Act of Congress Aug. 24, 1912.

CALENDAR FOR 1933, 1934, 1935

Session days are indicated by bold-face type

【1933】

SEPTEMBER						
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【1934】

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COLLEGE CALENDAR

1933 ' 1934 ' 1935

1933

<i>September 18</i>	<i>Monday</i> , Entrance Examinations and Registration of New Students.
<i>September 21</i>	<i>Thursday</i> , 11 A.M., Formal Opening Exercises. College Year begins.
<i>September 22</i>	<i>Friday</i> , 8 P.M., Y. M. C. A. Reception.
<i>November 29</i>	<i>Wednesday</i> , Noon, Thanksgiving Recess begins.
<i>December 4</i>	<i>Monday</i> , 7:45 A.M., Thanksgiving Recess ends.
<i>December 5</i>	<i>Tuesday</i> , 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.
<i>December 16</i>	<i>Saturday</i> , Noon, Christmas Recess begins.

1934

<i>January 3</i>	<i>Wednesday</i> , 7:45 A.M., Christmas Recess ends.
<i>January 24 to February 1</i>	<i>Wednesday to Thursday</i> . Examinations closing First Semester.
<i>February 3</i>	<i>Saturday</i> , 7:45 A.M., First Semester ends and Registration for Second Semester begins.
<i>February 22</i>	<i>Thursday</i> , Washington's Birthday.
<i>March 28</i>	<i>Wednesday</i> , Noon, Easter Recess begins.
<i>April 4</i>	<i>Wednesday</i> , Noon, Easter Recess ends.
<i>May 29 to June 8</i>	<i>Tuesday to Friday</i> , General Final Examinations.
<i>May 30</i>	<i>Wednesday</i> , Decoration Day. Holiday.
<i>June 8</i>	<i>Friday</i> , 10 A.M., Meeting of the Executive Committee of the Board of Trustees.
<i>June 9</i>	<i>Saturday</i> , 9:30 A.M., Annual Meeting of the Board of Trustees in Gettysburg.
<i>June 9</i>	<i>Saturday</i> , 10 A.M., Baseball Game.
<i>June 9</i>	<i>Saturday</i> , Alumni Class Reunions.
<i>June 9</i>	<i>Saturday</i> , 3 P.M., Senior Class Day Exercises.
<i>June 9</i>	<i>Saturday</i> , Noon, Alumni Collation.

COLLEGE CALENDAR

1933 ' 1934 ' 1935

1934

June 10

Sunday, 10:45 A.M., Baccalaureate Sermon.

June 11

Monday, 10 A.M., Commencement Exercises.

SUMMER VACATION

September 17

Monday, 9 A.M., Registration of New Students.

September 17

Monday, Beginning of Freshmen Orientation Classes and Entrance Examinations.

September 20

Thursday, 9 A.M., Registration of Old Students.

September 20

Thursday, 11 A.M., Formal Opening Exercises in Brua Chapel. College Year begins.

September 21

Friday, 7:45 A.M., College Classes begin.

September 21

Friday, 8 P.M., Y. M. C. A. Reception.

November 28

Wednesday, Noon, Thanksgiving Recess begins.

December 3

Monday, 7:45 A.M., Thanksgiving Recess ends.

December 4

Tuesday, 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.

December 15

Saturday, Noon, Christmas Recess begins.

1935

January 3

Thursday, 7:45 A.M., Christmas Recess ends.

*January 23 to
31*

Wednesday to Thursday. Examinations closing First Semester.

February 2

Saturday, 7:45 A.M., First Semester ends and Registration for Second Semester begins.

April 17

Wednesday, Noon, Easter Recess begins.

April 24

Wednesday, Noon, Easter Recess ends.

May 30

Thursday, Decoration Day.

June 10

Monday, Commencement.

HISTORICAL

THE Charter of Gettysburg College was approved April 7, 1832. The opening paragraphs are as follows: "WHEREAS, the literary and scientific institution in Gettysburg, Adams County, in this Commonwealth, known by the name of Gettysburg Gymnasium, is resorted to by a large number of young men from different portions of this State, and elsewhere, and promises to exert a salutary influence in advancing the cause of liberal education; therefore,

"SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, That the Gettysburg Gymnasium be, and hereby is erected into a College, for the education of youth in the learned languages, the arts, sciences and useful literature.

"SECTION 2. And be it further enacted by the authority aforesaid, That the style and title of said College shall be 'Pennsylvania College of Gettysburg'* . . . "

The College in a large measure grew out of the necessity of properly preparing men for the Theological Seminary, established in 1826 at Gettysburg. This purpose has never lessened, and to-day the institution regards this as an important feature of its work and offers special opportunities to young men preparing themselves for theological studies. Gettysburg College in its beginnings and its history is closely identified with the Lutheran Church.

The College began without endowment, with one small building (now a residence on the southeast corner of Wash-

* On Nov. 14, 1921, the name was changed to Gettysburg College.

GETTYSBURG COLLEGE


ington and High streets), and a small attendance. But the enthusiasm of its able instructors, the loyalty and self-sacrifice of its officers, students, and alumni, and the devotion of its friends have made its history one of steady and continuous growth.

Gettysburg College is fully accredited by the Association of American Universities, and is given an "A" rating by the University of Illinois. The College is also fully accredited by the Department of Public Instruction of Pennsylvania, by the Board of Regents of the State of New York, and by the Association of Colleges and Secondary Schools of the Middle States and Maryland.

Following is a list of the Presidents of the College from its foundation to the present time:

1832-'34	SAMUEL S. SCHMUCKER, D.D.	<i>Founder</i>
1834-'50	CHARLES PHILIP KRAUTH, D.D.	<i>1st President</i>
1850-'68	HENRY L. BAUGHER, D.D.	<i>2nd President</i>
1868-'84	MILTON VALENTINE, D.D., LL.D.	<i>3rd President</i>
1884-'04	HARVEY W. McKNIGHT, D.D., LL.D.	<i>4th President</i>
1904-'10	S. G. HEFELBOWER, PH.D., D.D., LL.D.	<i>5th President</i>
1910-'23	WILLIAM A. GRANVILLE, PH.D., LL.D.	<i>6th President</i>
1923-	HENRY W. A. HANSON, D.D., LL.D.	<i>7th President</i>

LOCATION

ETTYSBURG is situated in the beautiful rolling country a few miles east of the South Mountain range of the Blue Ridge Mountains. The situation is healthful, and there is a good supply of filtered water. The town is readily reached from all directions by the Reading and the Western Maryland Railways, which connect at Harrisburg, Pa., and Baltimore, Md., with the railway systems of Pennsylvania and the South, and by auto bus lines from Harrisburg, York, Hanover, Chambersburg, and Littlestown. Washington, Baltimore, Harrisburg, York, Hagerstown, Chambersburg, Carlisle, and other centers are connected with Gettysburg by state highways, making it an important automobile tourist center. The Coast-to-Coast Lincoln Highway passes through Gettysburg.

The historic association of Gettysburg with the Civil War gives the locality great interest. The events of the Battle of Gettysburg, July 1-3, 1863, are recorded on nearly 3000 monuments and markers, many of them being of large size and of artistic merit. The battlefield is a National Military Park, having come under Federal control and management in 1895. The whole terrain comprises twenty-four square miles in the main field and fifteen square miles in the cavalry field, which is several miles east of the town. The United States Government owns a total of 2530 acres of this land. The battlefield is accessible by twenty-two miles of improved connecting roads. Many examples of intrenchments, lunettes, and other defensive works have been preserved. Situated on the southern edge of the town is the Gettysburg National Cemetery, at the dedication of which Lincoln made his memorable Gettysburg Address.

BOARD OF TRUSTEES

ELECTED

1893	JOHN WAGNER, D.D.*	<i>Hazleton</i>
1897	WILLIAM A. SHIPMAN, D.D.*	<i>Johnstown</i>
1902	CHARLES BAUM, M.D., PH.D.	<i>Philadelphia</i>
1907	MARTIN H. BUEHLER	<i>Glens Falls, N. Y.</i>
1907	HON. R. WILLIAM BREAM	<i>Gettysburg</i>
1908	FRANK E. COLVIN, ESQ.	<i>Bedford</i>
1908	JOHN F. DAPP	<i>Harrisburg</i>
1908	GEORGE B. KUNKEL, M.D.	<i>Harrisburg</i>
1910	CHARLES J. FITE	<i>Pittsburgh</i>
1914	FREDERICK H. KNUBEL, D.D., LL.D.	<i>New York, N. Y.</i>
1914	PERCY D. HOOVER, M.D.	<i>Waynesboro</i>
1915	HARVEY C. MILLER	<i>Philadelphia</i>
1916	JOHN B. McALISTER, M.D.	<i>Harrisburg</i>
1917	JEREMIAH ZIMMERMAN, D.D., LL.D.	<i>Syracuse, N. Y.</i>
1918	LOUIS S. WEAVER, M.D.	<i>York</i>
1921	HARRY C. HOFFMAN, M.D.*	<i>Connellsville</i>
1921	JOSEPH B. BAKER, D.D.*	<i>York</i>
1922	CHARLES T. LARK, ESQ.	<i>New York, N. Y.</i>
1923	HENRY W. A. HANSON, D.D., LL.D.	<i>Gettysburg</i>
1923	GEORGE H. HUMMEL*	<i>York</i>
1929	PAUL B. S. RICE	<i>Harrisburg</i>
1929	CHARLES M. A. STINE, Sc.D.	<i>Wilmington, Del.</i>
1932	JOHN H. BEERITS	<i>Somerset</i>
1932	HOWARD H. BEIDELMAN, D.D.	<i>Hanover</i>
1932	J. McCREA DICKSON, M.D.*	<i>Gettysburg</i>
1932	AMOS E. TAYLOR, PH.D.	<i>Washington, D. C.</i>

* Designated as Alumni Trustees, having been elected on nomination by the Alumni Association.

GETTYSBURG • PENNSYLVANIA

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GETTYSBURG NATIONAL BANK	<i>Treasurer</i>

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3 Campus

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Dean

127 West Lincoln Avenue

CLYDE B. STOVER, A.M.

Registrar and Secretary of the Faculty

313 North Stratton Street

GETTYSBURG NATIONAL BANK

College Treasurer

10 York Street



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1933-1934

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President

A.B., A.M., *Roanoke College*; B.D., *Gettysburg Theological Seminary*; D.D., *Gettysburg College*; LL.D., *Bucknell University* and *Lafayette College*.

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Professor Emeritus of English Bible

A.B., A.M., *Gettysburg College*. D.D., *Gettysburg College*.

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Professor of German

Ph.D., *Johns Hopkins University*.

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William Bittinger Professor of Philosophy

A.B., A.M., *Gettysburg College*. D.D., *Lafayette College*.

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Burton F. Blough Professor of Civil Engineering

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Adeline Sager Professor of History

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A.B., *Dartmouth College*; M.S., *Brown University*; PH.D., *Princeton University*.

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Professor of Physical Education

M.E., *Lehigh University*; M.A., *Columbia University*.

WILLIAM C. WALTEMYER

Amanda Rupert Strong Professor of English Bible

A.B., *Gettysburg College*; B.D., *Gettysburg Theological Seminary*; A.M., PH.D., *American University*.

ALBERT BACHMAN

Professor of Romance Languages

PH.D., *University of Zurich* and *Columbia University*.

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*Professor of Military Science and Tactics and Commander
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B.S., M.S., *Gettysburg College*; PH.D., *University of Michigan*.

W. FREDERICK SHAFFER

Acting Franklin Professor of Greek

A.B., A.M., *Princeton University*.

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A.B., A.M., *University of Virginia*; A.M., *Harvard University*.

C. GILBERT REEN

Assistant Professor of Civil Engineering

B.S., *Gettysburg College*; M.S.E., *University of Michigan*.

FRANCIS C. MASON

Assistant Professor of English

A.B., A.M., *University of Virginia*; A.M., *Harvard University*; PH.D., *University of Virginia*.

* Absent on leave 1933-'34 (first semester).

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A.B., A.M., *Gettysburg College.*

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Assistant Professor of Romance Languages

A.B., A.M., *Haverford College*; *Diplome de Professeur de francais a l'etranger, Université de Toulouse.*

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A.B., *St. Olaf College*; A.M., *University of Minnesota.*

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A.M., *Knox College.*

HENRY T. BREAM

Instructor in Physical Education

B.S., *Gettysburg College.*

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JOHN W. OSTROM

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B.S., M.A., Gettysburg College.

GEORGE F. GUTMANN

Instructor in German

A.B., Gettysburg College.

SERGEANT JAMES MASHBURN, INFANTRY, U.S.A.

Instructor in Military Science and Tactics (R.O.T.C.)

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B.S., Gettysburg College.

DUNNING IDLE

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A.B., A.M., University of Michigan.

UEL E. DIBBLE

Instructor in Biology

B.S., Denison University.

WILBUR L. PLANK

Instructor in Engineering

B.S., Gettysburg College.

ROBERT D. HERSHEY

Instructor in English Bible

A.B., Gettysburg College.

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CHARLES W. BEACHEM, B.S.

Alumni Secretary

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Committees of the Faculty

Admission to Freshman Class

STOVER, CLUTZ, ARMS

Advanced Standing

STOVER, TILBERG

Freshman Scheduling

STOVER, REEN, MILLER, SALTZER

Curriculum

ZINN, TILBERG, GRIMM, SANDERS, CLUTZ, KRAMER,
CLINE, SABY, GLENN

Scholastic Standing

TILBERG, GRIMM, ARMS, REEN

Hour Schedule

CLINE, CLUTZ, KRAMER, BILHEIMER, REEN

Bulletin

STOVER, TILBERG, REEN, MASON

College Discipline

SANDERS, TILBERG, WALTEMYER

Student Absences

TILBERG, CLINE, REEN

Advanced Degrees

STOVER, ARMS, KRAMER, CLINE, ZINN

Library

GRIMM, BACHMAN, LARKIN, KNICKERBOCKER

Students' Publications

CLINE, WALTEMYER, SABY

Supervision of Finance of Student Organizations

SABY, CLINE, SANDERS, TILBERG

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Supervision of Social Functions

TILBERG, GLENN, REEN

Student Organizations

KRAMER, TILBERG, GLENN

College Musical Organizations

SHAFFER, SALTZER

Representatives on Athletic Council

ARMS, CLINE

Athletic Council

GEORGE H. HUMMEL

Alumni Representative, President

PERCY D. HOOVER, M.D.

Representative of the Board of Trustees, Vice-President

CLAYTON E. BILHEIMER

Athletic Director, Secretary

GETTYSBURG NATIONAL BANK

Treasurer

RICHARD A. ARMS

Faculty Representative

THOMAS L. CLINE

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DAVID M. GILBERT

Alumni Representative

JOHN J. HOWARD

RODMAN SMITH

Student Representatives

MARTIN H. BUEHLER

Ex-officio, President of the Board of Trustees

HENRY W. A. HANSON

Ex-officio, President of the College

ADMISSION

Application for Admission

PERSONS desiring to enter the College should make written application for admission on an official certificate form to be obtained from the Registrar. In the application they should present evidence of a good moral character and of the fulfillment of the entrance requirements, and state the degree for which they will be candidates. A student coming from another institution must present a certificate of good standing and honorable dismissal. Only men students may be admitted.

An applicant who states in his application that he will not be a candidate for a degree will, if admitted, be enrolled in the list of "Students not Candidates for a Degree" and be permitted to take only such work as he is prepared to pursue to advantage; however, this work must include Orientation, English A, and Military Science or Physical Education.

All changes of enrollment with reference to degrees require that the candidate must make application for, and satisfy the requirements of, the degree for which he becomes a candidate.

Methods of Admission

A student is admitted either by *examinations* held on the Monday preceding the formal opening of the College in September, or by presenting a *certificate* from an approved secondary or high school or from an approved private instructor. The certificate must state the amount of work done and the time spent on each subject, together with the grades received. To insure the presentation of the necessary information for the Committee on Admission to Freshman Class all

GETTYSBURG COLLEGE

certificates and applications for admission should be presented on the official forms, which may be obtained from the Registrar. These certificates should be filled out and returned to the Registrar before the beginning of the college year.

Registration

Every student must call at the Registrar's office at the beginning of the college year to secure instructions in regard to registration and enrollment in classes, and must attend to the details according to the instructions given.

A new student must sign the matriculation pledge and pay the registration fee of five dollars. Every one, whether a new student or one previously in attendance, must register at the beginning of each year. Registration after the periods announced is penalized by the imposition of a fee of five dollars, with an added fee of one dollar for each day of tardiness. Any student entering late will be held responsible for making up all work from the beginning of the semester. No student will be permitted to register later than two weeks after the appointed registration days, except by special permission of the Faculty.

Requirements for Admission

Only those are admitted who are graduates of a standard high school or who present evidence of having equivalent preparation.

The scholarship requirement for admission to the Freshman class is the satisfactory completion of fifteen units of work, of which three units must be in English and two units in Mathematics. To make up the total of ten units in addition to the five units of prescribed English and Mathematics, the applicant for admission may offer any subjects given in an approved secondary or high school as listed below. Students expecting to enter an Engineering Course should have two years of Algebra and a half year of Plane Trigonometry.

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A unit of work in any subject is the amount of work done in a standard secondary school in a year of thirty-two weeks with five recitation periods per week of forty-five minutes each. No student will be admitted as a candidate for any degree who does not fully satisfy these requirements.

Although English and Mathematics are the only subjects specifically prescribed for admission to the College, a student may pursue only those subjects in the college curriculum for which he has had adequate preparation. Prerequisite studies not offered for entrance must be taken before the college studies for which they are prerequisite may be taken, and such prerequisite studies are not accredited toward graduation.

Applicants for admission as "Students not Candidates for a Degree" who do not present the full requirements of fifteen units can be admitted only by Faculty action.

Rating of Subjects for Admission

ENGLISH

Grammar, composition, and literature, as recommended by the National Conference on Uniform Entrance Requirements.....3 units

MATHEMATICS

A. Algebra—to quadratics.....1 unit
B. Algebra—quadratics and beyond..... $\frac{1}{2}$ or 1 unit
C. Plane Geometry.....1 unit
D. Solid Geometry..... $\frac{1}{2}$ unit
E. Plane Trigonometry..... $\frac{1}{2}$ unit
F. Unified Mathematics..... $\frac{1}{2}$ or 1 unit

GREEK

A. Grammar and four books of Xenophon.....2 units
B. Composition, three books of Homer, and sight translation.....1 unit

LATIN

A. First and second year.....2 units
B. Third year.....1 unit
C. Fourth year.....1 unit

GETTYSBURG COLLEGE

*FRENCH

One to three years..... 1 to 3 units

*GERMAN

One to three years..... 1 to 3 units

*SPANISH

One to three years..... 1 to 3 units

HISTORY

United States..... $\frac{1}{2}$ or 1 unit

English..... $\frac{1}{2}$ or 1 unit

Ancient..... $\frac{1}{2}$ or 1 unit

Medieval..... $\frac{1}{2}$ or 1 unit

Modern European..... $\frac{1}{2}$ or 1 unit

ECONOMICS..... $\frac{1}{2}$ or 1 unit

SOCIOLOGY..... $\frac{1}{2}$ or 1 unit

CIVICS..... $\frac{1}{2}$ or 1 unit

PROBLEMS OF DEMOCRACY..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, POLITICAL AND PHYSICAL..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, COMMERCIAL..... $\frac{1}{2}$ or 1 unit

COMMERCIAL LAW..... $\frac{1}{2}$ or 1 unit

PHYSIOLOGY..... $\frac{1}{2}$ or 1 unit

CHEMISTRY

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

PHYSICS

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

BIOLOGY (*Botany, Zoölogy*)

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

* College credit is not allowed for an "A" course taken in college if this work has been accepted for entrance credit.

GETTYSBURG • PENNSYLVANIA

GENERAL SCIENCE..... $\frac{1}{2}$ or 1 unit

The candidate may offer not more than a total of three units from: Agriculture, Mechanical Drawing, Shop Work, Bookkeeping, Typewriting, Stenography.*

Admission to Advanced Standing

A student who has matriculated at another institution of college rank and applies for admission to Gettysburg College, is required to submit to the Registrar evidence of work pursued and a letter of honorable dismissal. If the record shows that his work has been done with an average of not less than "C" grade, and with such a grade as would have permitted his continuance as a student at Gettysburg College, the applicant may be admitted to advanced standing.

Advanced credit is given for courses taken *in the regular session* of a college on the approved list of The Association of American Universities, or of the University of Illinois. Students from other colleges are subject to examinations in those courses for which they wish to obtain advanced credit.

A former student of Gettysburg College may be readmitted and given advanced credit on the same conditions.

Work taken in the summer session of an approved institution is recognized without examination provided previous arrangement for taking such work has been made with the Registrar.

No one is admitted to college after the beginning of the Senior year, except by special action of the Faculty.

* 240 hours in these subjects constitutes a unit.

CURRICULUM

Degrees



COURSES of study consist of four years of college work, and lead to the degree of Bachelor of Arts, or to the degree of Bachelor of Science in Engineering. Each candidate for a degree must absolve the specified requirements of majors, minors, and electives together with the general requirements as prescribed.

Freshman Counselors

When a student is admitted to the College, the Dean designates some member of the Faculty as his special counselor. Weekly conferences are arranged in an effort to aid the student in solving the problems connected with his first year in College.

Advisers

When the student chooses his major subject, the professor in charge of that department becomes his adviser and continues as such thruout his course. The adviser is the medium of communication between the student and the Faculty and may be consulted in all matters. Each year the student must secure his adviser's approval of his study list.

Courses and Credits

The courses of instruction are given in detail on pages 39-98. The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour per week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork), drawing, shopwork or field work, per week for one semester. Credit for one semester's work, in a course

GETTYSBURG COLLEGE

running thru the year, is given only on the written recommendation of the department concerned.

A record is kept of the work done by each student, giving the semester hours and the grades. The grades of scholarship are designated as follows: A (excellent); B (good); C (fair); D (poor, barely passed); E (failed, but entitled to a re-examination); and F (failed utterly and must repeat with the next class). In addition to these grades a student's record may show a subject marked "Inc," meaning "incomplete." This notation is given in all cases where the grade is passing, but is withheld.

Each student who graduates will, on request in person, be furnished with a certified copy of his college record. A request for such certificates, when these are to be furnished in duplicate or thru correspondence, should be accompanied by a remittance of one dollar. Students who leave college before graduation and who are in good standing are entitled to certificates on the same terms.

Report

A report of the student's work is sent to his parents or guardian at the end of each semester. If a student is doing unsatisfactory work his parents or guardian may be notified at any time.

Choice of Courses and Enrollment

Most of the studies in the Freshman and Sophomore years are prescribed, but in the Junior and Senior years the student has a choice of subjects under the major and minor system. The list of subjects selected by the student for the ensuing year (including the major subject, the minors, and the electives), approved by the adviser, must be filed by the student in the Registrar's office each year, except the Senior year, on or before a date (in May) to be announced. The study list must include any subjects in which the student may have incurred a deficiency. The student will receive no credit in classes in which he is not properly enrolled.

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After the first week of the year changes in the student's study list can be made only with the written consent of his adviser and of the instructors concerned and with the approval of the *Committee on Scholastic Standing*. No regular student may drop a subject without permission of the *Committee on Scholastic Standing*; failure to secure such permission will be regarded as a deficiency in that subject.

A candidate for a degree is not allowed to take less than twelve semester hours except by special action of the *Committee on Scholastic Standing*. In the case of a student assistant doing actual teaching, such teaching may be counted as part of his schedule.

A student who has been enrolled as a candidate for a degree may not change his status except on written request from his parents or guardian.

Maximum Schedules

A Freshman is limited in his enrollment to fifteen semester hours. No student whose record during the preceding year shows a quality point average of less than 1.500 will be allowed to take during the Sophomore year more than sixteen semester hours of work, or during the Junior or Senior years more than sixteen semester hours per semester in the case of a candidate for the A.B. degree, or more than the semester hours scheduled for the Engineering students in the Junior and Senior years.

During one year (either Junior or Senior) a student *may be permitted* to take a maximum of thirty-six semester hours, or not more than eighteen hours for one semester, *provided he has obtained the permission of the Committee on Scholastic Standing*. Students, except those mentioned in the next paragraph, are allowed a schedule of not more than 128 credit hours in four years.

A student whose record during the preceding year shows a quality point average of 1.500 will be permitted to carry a schedule of eighteen semester hours. Students whose record during the preceding year shows a quality point average of

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2,500 are permitted to carry twenty semester hours in their Junior year and twenty-one semester hours in their Senior year.

Class Rating and Scholarship Deficiencies

A student will not be advanced in class enrollment (or rating) at the beginning of any year if he is deficient in quality points or in as much as one-third of the previous year's work (reckoned by semester hours); and if on October 20 he is still thus deficient his rating will not be advanced during that academic year.

Majors and Minors

Each candidate for the Degree of Bachelor of Arts should choose as early as possible, and not later than the Spring Registration date of the Sophomore year, a major subject on which he intends to concentrate, one minor subject related to the major, and a second minor subject not related to the major. As soon as the choice of major has been certified by the Registrar, the professor in charge of the major subject becomes the student's adviser and continues as such until the end of the Senior year. The adviser must approve a list of studies for the student for each year, including the major and minors and electives, which list must be given to the Registrar on or before the date of Spring Registration. The major subject may not be changed except at Spring Registration or at the beginning of the college year, and then only with the approval of the instructors concerned and the Registrar.

A major consists of at least twenty-four* semester hours in a single subject. A minor consists of at least twelve semester hours in a single subject and may not include "A" courses. The following subjects may be chosen as majors:

Biology	French	Mathematics
Chemistry	German	Philosophy
Economics	Greek	Physics
Education	History	Political Science
English	Latin	Spanish

* In special cases, by approval of the Curriculum Committee, this may include "A" courses and courses allied to the major.

Requirements for the Bachelor's Degree

The Bachelor's Degree will be conferred upon the student who, being properly enrolled as a candidate, fulfills the following requirements:

(1) He must satisfactorily complete 120 semester hours of work.

(2) He must earn as many Quality Points as semester hours.*

(3) He must complete the prescribed work as indicated on pages 30-31 and 34-37, including all preparatory or prerequisite work, and the major, minors, and electives approved by his adviser.

(4) He must complete in residence one academic year of two consecutive semesters (not less than thirty semester hours).

(5) He must deposit with the Registrar not later than October 15 preceding the date of his expected graduation a written statement indicating the date when he expects to complete his work, the degree for which he is a candidate, and his major subject.

(6) *He must remove all conditions and failures by the end of the first semester of his Senior year.* Work that can be passed, for graduation at the expected time, only by repeating the course during the second semester of the Senior year will be considered as not coming under this rule.

(7) He must be present at the Commencement exercises unless excused by the Faculty.

Prescribed Work for the Degree of Bachelor of Arts

The requirements for the Bachelor of Arts degree provide for a liberal distribution as well as concentration for mastery in a given field.

* For a complete statement of the Quality Point rule, see page 109.

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For *distribution* the following is required of all students:

	SEMESTER HOURS
Orientation	3
English A.....	6
English Bible 1.....	3
Problems of Life (Senior Course).....	3
Comprehensive Examination (beginning with 1934-'35; required of Seniors).....	0
Military Science or Physical Education—2 Years....	0
French and Spanish*	12 semester hours in two..... 12
German*	
Greek*	
Latin*	
Mathematics (Pure)	
Philosophy	
Pol. Sci. and Econ.	
History	
English Literature	
Latin Literature	
Greek Literature	(at least 6 semester hours to be a foreign language in the original)
German Literature	
French Literature	
Spanish Literature	
Biology 1	12 semester hours in two..... 12
Chemistry 1	
Physics 1	
Total for distribution.....	63

* Above the "A" course.

† 6 and 6 preferred, but may be 6, 3 and 3 at discretion of the adviser.

For *concentration* each student is required to absolve one major of twenty-four hours in one subject, one minor of twelve hours in the same group as the major, a second minor of twelve hours outside the group of the major. "A" courses may not

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be counted.* Following is the arrangement of groups for the major and minor concentration:

GROUP 1	GROUP 2	GROUP 3
English	Philosophy	Mathematics (Pure)
Latin	Political Science	Biology
Greek	Economics	Chemistry
German	History	Physics
French	Education	
Spanish	Bible	

The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time within the student's time of residence.

Notes on the Curriculum

1. A student is not allowed to take the beginning course in more than one foreign language in the freshman year.
2. When a language is continued, an "A" course must be followed by course 1 the next year.
3. Students intending to take a major in Mathematics or Physics will normally take Physics in the Freshman year. Pre-medical students and those intending to take a major in Biology or Chemistry will take the beginning course in their major subject; other students may elect any one of the three sciences.

Courses under the Major and Minor System

A variety of courses of study may be arranged under the different majors in the above list by the choice of minors and electives to meet a wide range of requirements. Suggestions for a few such courses are given on following pages.

Classical Course

Those desiring to pursue a classical course will select a major in Greek or Latin and a minor in Latin or Greek. Students

* In special cases, by approval of the Curriculum Committee "A" courses may be counted.

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who enter the College with the intention of preparing for the Christian ministry are urged to take this course.

Business Administration

Those who are looking forward to a business career will as a rule major in Economics and Business Administration. The courses here offered are of a liberal type as distinguished from the vocational or professional, and aim to give a broad, general training in the field of business and economics. Suggested courses are listed on page 36.

Courses in Preparation for Technical Positions

Besides the courses in Civil, Electrical, and Mechanical Engineering, intended to fit men for technical and industrial positions in those lines, courses may be arranged with Chemistry as a major, which will well prepare men to fill the many positions in industrial or applied chemistry; or courses with Physics as a major, which will prepare for similar positions in applied physics.

Courses for Prospective Teachers

A student preparing to teach should choose as his major the subject he prefers and expects to teach. He should choose as his minor the subject that is his second choice. His electives should include subjects for general cultural training and courses in Education. He should see that he satisfies the school code requirements of the state in which he expects to teach.

Gettysburg College, for the year 1931-'32, made a considerable break with tradition in the arrangement of the Education courses. A minimum list of topics was made. This list included all the skills, viewpoints, information, etc., which the college feels all prospective high school teachers should have. These topics were then distributed among the several courses, wherever they seemed best to fit in sequence, largely disregarding the traditional names of courses.

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This was done to overcome two very annoying difficulties of long standing:

1. The insistence by State Departments upon courses under certain titles, these varying among the States.

2. The consequent duplication of work in these courses.

In the new arrangement there is no actual duplication of work. Where the topic appears twice, a different phase of the work is taken each time.

The list of topics was submitted to the several State Departments chiefly concerned for their approval. Pennsylvania and New York State have given their approval.

Those intending to teach should take the following courses, and as nearly in the sequence given as possible:

Sophomore year, 1st semester, Ed. 1b.....	3 sem. hrs.
2nd semester, Ed. 32*.....	3 sem. hrs.
Junior year, 1st semester, Ed. 5.....	3 sem. hrs.
2nd semester, Ed. 25.....	3 sem. hrs.
Senior year, 1st semester, Ed. 33.....	3 sem. hrs.
Either semester, Ed. 11.....	3 sem. hrs.

General Psychology (Philosophy 1) is a prerequisite. This should be taken in the Sophomore year, if possible.

Students are not recommended to teach any subject in which their average is below B.

Pre-Medical Course

Those who are preparing to study medicine should major in Biology or Chemistry.

Pre-Legal Course

Those who after graduation expect to study law should major in Political Science and take as minors Economics and History.

* In order to meet the Maryland requirement this must be taken in the Junior or Senior year.

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Prescribed Work for the Degree of Bachelor of Science in Engineering

FOR ENTRANCE REQUIREMENTS SEE PAGE 85

COURSES REQUIRED OF ALL ENGINEERS

	SEMESTER HOURS
English A.....	6
English Bible 1.....	3
Orientation.....	3
Literature	12
Modern Language	
History	
Philosophy	
Political Science 1.....	3
Economics 1 and 105.....	6
Chemistry 1.....	6
Mathematics 4a, 4b and 6.....	16
Physics 1.....	6
Military Science or	0
Physical Education (2 years)	
Engineering 1, (Mechanical Drawing).....	4
Engineering 2, (Graphics).....	2
Engineering 3, (Mechanics).....	6
Engineering 5, (Hydraulics).....	3
Engineering 6, (Strength of Materials).....	6
Engineering 7, (Elements of Electrical Engineer- ing).....	6
CE-21, (Contracts and Specifications).....	1
CE-26, (Engineering Seminar).....	2
*CE-27, (Engineering Economics).....	6
ME-36, (Heat Power Engineering).....	6
Total.....	103

Additional courses required for the majors listed:

* Military Science 7 and 8 may be substituted.

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Civil Engineering

	SEMESTER HOURS
Engineering 2, (Graphics).....	2
CE-11, 12, (Plane Surveying).....	6
CE-13, (Surveying).....	2
CE-17, (Railroads).....	2
CE-18, (Structural Design).....	6
CE-19, (Structural Design).....	6
CE-23, (Highways).....	2
Elective.....	<u>3</u>
Total.....	29

Electrical Engineering

ME-31, 32, (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
EE-45, (Theory of Electrical Machinery).....	6
EE-46, (Characteristics of Electrical Machinery)..	3
EE-47, (Electrical Engineering Laboratory).....	2
Elective in Electrical Engineering.....	<u>3</u>
Total.....	29

Mechanical Engineering

ME-31, 32 (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-35, (Machine Design).....	6
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
Elective.....	<u>9</u>
Total.....	30

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	Civil Engineering		Electrical Engineering		Mechanical Engineering	
Year	Re- quired	Max- imum	Re- quired	Max- imum	Re- quired	Max- imum
Freshman.....	30	30	30	30	30	30
Sophomore.....	30	36	31	37	31	37
Junior.....	36	39	36	39	36	39
Senior.....	36	39	35	38	36	39
Totals.....	132	144	132	144	133	145

In order to obtain the degree of Bachelor of Science in Engineering the student must have completed satisfactorily the total work and semester hours as scheduled above, and have as many Quality Points as semester hours.

Courses Suggested for Business Administration Students

Freshman Year

	SEMESTER HOURS
English A.....	6
Orientation.....	3
English Bible 1.....	3
Modern Language.....	6
Mathematics 1, 2.....	6
Economics A, (Accounting).....	4
Economics B, (Introduction to Business).....	2
Military Science or Physical Training.....	0
Total.....	30

Sophomore Year

Political Science 1, (American Government).....	3
Economics 1, (Principles).....	3

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	SEMESTER HOURS
Mathematics 11, (Mathematics of Investment)...	3
Mathematics 13, (Statistics).....	3
Electives.....	18
Military Science or Physical Education.....	0
Total.....	<u>30</u>

Junior Year

Economics 102, (Money and Credit).....	3
Economics 107, (Labor Problems).....	3
Economics 112, (Marketing).....	3
Economics 103, (Banking and Credit Control)....	3
Political Science.....	6
Electives.....	<u>12</u>
Total.....	30

Senior Year

Economics 6, (Business Organization).....	3
Economics 108, (Corporation Finance).....	3
Economics 9, (Transportation).....	3
Economics 16, (Public Utilities).....	3
Economics 105, (Business Law).....	3
Political Science 6, (Business and Government)...	3
Electives.....	<u>12</u>
Total.....	30

Students in Economics and Business Administration will also be specially interested in Mathematics 15 (Costs and Depreciation), and Philosophy 12 (Psychology of Business and Industrial Management).

The Master's Degree

Work leading toward the Master's Degree is offered only in the Summer School. For particulars consult the Summer School Bulletin.

COURSES OF INSTRUCTION

Bible

(SEE ENGLISH BIBLE)

Biology and Hygiene

Professor MARSH and MR. DIBBLE

A major in Biology includes Courses 1, 2, or 3, 4 or 5.

1. GENERAL BIOLOGY—A course designed to give the student a conception of the fundamental facts and theories of biological science. The course includes a study of such typical examples of plants and animals as are suitable to demonstrate the basic principles of structure and function of living organisms. The laboratory work includes, in addition to the study of specimens, instruction in simple methods of preparing materials upon which the laboratory studies are made.

*Three periods and three laboratory hours thruout the year.
Credit of six semester hours.*

Sec. 1, M. W. F.	11	Lab. M.	1
Sec. 2, Tu. Th. S.	11	Lab. Tu.	1
Sec. 3, M. W. F.	7:45	Lab. W.	1
Sec. 4.		Lab. Th.	1

2. VERTEBRATE ZOÖLOGY—The course is based upon a careful laboratory study of representative forms of the vertebrates. Special emphasis is placed upon the comparative anatomy of the forms studied, the general physiological function of the organs, and the relationships existing among the various groups, based upon their evolutionary development.

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*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

Alternates with course 3. Not given 1934-'35.

3. ANATOMY—A course of comparative mammalian anatomy and the elements of human anatomy and physiology. The course is based upon a careful study of the human skeleton and a thoro dissection of a typical mammal.

*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

4. EMBRYOLOGY—A course demonstrating the principles of vertebrate embryology, based upon the frog, chick, and pig. The work includes laboratory studies of the histology of adult reproductive organs, development and maturation of sex cells, segmentation, development of the germ layers and organs, and the formation of the external form of the body. The laboratory work includes the study of prepared slides, the preparation of whole mounts of chick embryos, and the technique of preparing serial sections and their use.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

Alternates with course 5. Not given 1934-'35.

5. HISTOLOGY—The work covers those structures ordinarily included in general histology, and includes a thoro study of the primary tissues and the main organs. Considerable time is given to the technique of slide preparation, from the living material to the finished slide. In addition to the slides prepared by himself, the student has access to the slide library. Course alternates with Embryology.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

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6. BOTANY—The course is intended to give the student an appreciation of the rôle of plants in nature, their general structures, physiological functions, and relations to man. The laboratory work includes the study of typical representatives of the main groups of plants, special attention being given to the bacteria, molds, and flowering plants. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 9 Lab. Th. 1

7. HISTORY OF BIOLOGY—This course is designed to give the student an appreciation of the historical growth of biological science, and, based upon this, a clearer appreciation of the present status of our knowledge of the various biological fields of study. The course presupposes a knowledge of technical laboratory training in several biological sciences in order to follow the course profitably. The work is based upon Locy's *Biology and Its Makers*. Work includes class exercises and library reading. *Three periods, second semester. Credit of three semester hours.*

M. W. F. 10

8. PHYSIOLOGY—A course of instruction in general physiology, dealing especially with the functions of Excretion, Digestion, Circulation, Respiration, and Reproduction, and the structures correlated therewith. *Three periods and two laboratory hours, first semester. Credit of three semester hours.*

Sec. 1, M. W. F. 10 Lab. W. 1

Sec. 3, M. W. F. 10 Lab. Th. 3

9. BIOLOGICAL SEMINAR—A course for advanced students and those preparing to teach. Work consists of reading and discussion of material appearing in the current journals, or reviews of recent books. Designed to familiarize the student with the use of scientific publications.

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Two periods thruout the year. Credit of four semester hours.

M. 6:30 P.M.

11. GENERAL BACTERIOLOGY—Nature and products of bacteria; their industrial applications; the bacteriology of soil, water, milk, and other food products. Laboratory technique; isolation and cultural studies of micro-organisms. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 11 Lab. S. 9

- 12a. PERSONAL AND PUBLIC HYGIENE—Fundamental problems under the general caption of health conservation, effective for national prosperity through the hygienic habits of the ultimate citizen.

Two periods, first semester. Credit of two semester hours.

W. F. 10

- 12b. PERSONAL AND PUBLIC HYGIENE—Contagious diseases, the social peril of our day, and the place of heredity in race betterment.

Two periods, second semester. Credit of two semester hours.

W. F. 10

Chemistry and Geology

Professor ZINN, Associate Professor STOVER, Assistant Professors SHEFFER and SLOAT, and Assistants

A major in Chemistry includes Courses 1, 2, 3, 4.

The courses in Chemistry are not designed to prepare specialists in any department of the subject, but to give a general training in the science. The successful completion of these courses will prepare the student to enter on graduate or professional studies in any leading university, or qualify him for a more successful pursuit of any technical business, or fit him to teach Chemistry in secondary schools.

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1. GENERAL CHEMISTRY—A study of the occurrences, properties, uses, and methods of preparation of the more common elements and their compounds and the theoretical principles involved.

Two lectures, one recitation, and three hours of laboratory work thruout the year. Credit of six semester hours.

Sec. 1, M. F. 10 W. 11 Lab. M. 1

Sec. 2, M. F. 10 W. 11 Lab. Tu. 1

Sec. 3, M. W. F. 10 Lab. W. 1

Sec. 4, M. W. F. 10 Lab. Th. 1

2. QUALITATIVE ANALYSIS—Study of the methods commonly used in the analysis of simple salts, mixtures of salts, and various commercial products.

One lecture and six laboratory hours thruout the year.

Credit of six semester hours.

Prerequisite: Chemistry 1 and Mathematics 1 and 2.

Sec. 1, Th. 9 Lab. M. F. 1

Sec. 2, Th. 9 Lab. Tu. W. 1

3. QUANTITATIVE ANALYSIS—Essentially a laboratory course. Familiarity with the work and principles is sought by the solution of numerous problems. Lectures are given as found desirable.

Nine laboratory hours (including necessary lectures) thruout the year. Credit of six semester hours.

Prerequisite: Chemistry 1 and 2.

Lab. Tu. W. Th. 1

4. ORGANIC CHEMISTRY—Systematic study of the compounds of the aliphatic and aromatic series, including the preparation of a considerable number of these substances in the laboratory.

Three lectures and six laboratory hours thruout the year.

Credit of ten semester hours.

Prerequisite: Chemistry 1 and 2.

M. W. F. 9 Lab. M. Tu. 1

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5. PHYSICAL CHEMISTRY—The atomic and kinetic theories, simple gas laws, determination of atomic and molecular weights, homogeneous and heterogeneous equilibria, phase rule, colloids, indicators, electrolytic conductance, law of "mass action," and electron conception of valence.

*Two lectures and three laboratory hours thruout the year.
Credit of six semester hours.*

Prerequisite: Chemistry 1 and 2, Physics 1, and Mathematics 3 and 5.

Tu. Th. 9 Lab. Th. or F. 1

6. SPECIAL QUANTITATIVE METHODS—Advanced and applied analysis, such as mineral, ore, and water analysis, the examination of foodstuffs and manufactured articles.

Hours and credit as arranged.

Prerequisite: Chemistry 1, 2, and 3.

7. DYNAMICAL GEOLOGY—This course of lectures gives the student an acquaintance with the facts concerning inorganic geology, and a discussion of the dynamical agencies which have been operative in bringing the earth to the condition in which we now find it. Field work and the preparation of papers from personal observation and practical application to the work.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

8. HISTORICAL GEOLOGY—A comprehensive discussion of the principles of evolution, with illustrations from historic geology. The student is assigned readings from the textbooks of Dana, Le Conte, Chamberlain and Salisbury, and other authors.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

Economics and Business Administration

Professor SABY and Associate Professor LARKIN

A major in Economics and Business Administration consists of twenty-four semester hours, six of which may, with the approval of the adviser, be taken in related fields outside the department.

- A. ELEMENTARY ACCOUNTING—This course aims to make clear accounting concepts and references to accounting procedure frequently encountered in our daily reading and especially in courses in Economics.

Freshman course. Two two-hour periods thruout the year. Credit of four semester hours.

Sec. 1, M. W. 1

Sec. 2, Tu. Th. 1

- B. INTRODUCTION TO BUSINESS—A survey of the development of economic society with particular emphasis on the growth of our American industries.

Freshman course. One period thruout the year. Credit of two semester hours.

F. 1

- I. PRINCIPLES OF ECONOMICS—The purpose of this course is to give the student a thoro grounding in the principles of Economics as a preparation for further economic study and as an aid to intelligent citizenship.

Prerequisite for all other courses in Economics, except Economics A and B.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, second semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

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102. **MONEY AND CREDIT**—The study of money as a medium of exchange and a standard of value, together with an analysis of paper, bimetallic, gold, gold exchange and tabular standards of money. The nature of credit and the use of credit instruments in domestic and foreign exchange.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

M. W. F. 9

103. **BANKING AND CREDIT CONTROL**—A study of the structure and operation of commercial banking; central banking systems and credit policy; the relation between money, credit and prices.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 9

105. **BUSINESS LAW**—This course is designed to give the student a knowledge of the legal rights and obligations arising out of common business transactions. The fundamental laws pertaining to contracts, partnerships, corporations, negotiable instruments, sales, etc., are examined.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 10

107. **LABOR PROBLEMS**—The causes of industrial grievances and the various solutions offered by organized labor, employers, and legislators.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 11

6. **BUSINESS ORGANIZATION**—A study of the various forms of business organization with special reference to the

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corporation, followed by an analysis and appraisal of the various forms of combination.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

108. CORPORATION FINANCE—A study of the financial methods of the average business enterprise in obtaining capital and of its policies in the administration of earnings. Attention is also given to the causes of business failure and the methods of reorganization.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Economics 6.

M. W. F. 7:45

9. TRANSPORTATION—A survey of all types of American inland transportation, including rail, water, motor and air transport, with special emphasis on the problem of their coordination. Railway rate structure and regulation will be given careful consideration together with the problem of regulation of the other forms of transportation.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Not given 1934-'35.

16. PUBLIC UTILITIES—A comprehensive study of public utilities—their history, characteristics, economic and social implications, present condition and probable future status. Includes an analysis of their valuation, rates of return and regulation.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Not given 1934-'35.

112. MARKETING—An introduction to the study of marketing followed by a brief treatment of the more important

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market functions and a description of the institutions set up in our market organization.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 11

18. SENIOR READING COURSE—Supervised reading in the field of Economics and Business Administration.

Open to Seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

Education

(SEE PAGE 32)

Professors KRAMER and SANDERS, and Assistant Professor JOHNSON

A major in Education includes Courses 5, 11, 25. Courses in other departments may be included in a major in Education.

- 1b. HISTORY OF EDUCATION—Beginning with 1931-'32, this course has been a combination of general history of education and history of education in the United States. About nine periods will be given to presenting the ideas of changing aims, changing methods, outstanding educators of the old world who have influenced American education, ancient and mediaeval universities, academic costume and decorum, etc., and a comparison of European and American school systems. Some time will be given to a special study of the history of education in Pennsylvania, and also to that of Gettysburg College. The rest of the time will be given to the study of the history of education in the United States, largely following the topics given in Cubberly's *Public Education in the United States*. The topics will be

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treated in the light of their practical effect upon our schools. The underlying philosophy will also be stressed.

Sophomore course. Open to Juniors and Seniors. Three periods, either semester. Credit of three semester hours.

Sec. 2, Tu. Th. S. 7:45 2d Semester

Sec. 4, Tu. Th. S. 9 1st Semester

Sec. 6, Tu. Th. S. 10 1st Semester

2. PHILOSOPHY OF EDUCATION—This course seeks to discover the principles which should govern the aims and the methods of education. It takes into account the nature of man and his capacities for education, and the nature of society and the effects of education on social structure and direction. The course is based on a critical study of John Dewey.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

5. EDUCATIONAL PSYCHOLOGY—This course deals with the psychology of learning, educational measurements, intelligence tests, individual differences, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sec. 1, M. W. F. 7:45 1st Semester

Sec. 3, M. W. F. 11 2d Semester

Sec. 5, M. W. F. 1 1st Semester

11. STUDENT TEACHING—This course will require observation, participation, and actual teaching for at least one hour a day for the five school days, with one hour a week of conference in connection therewith. The observation, participation, and practice teaching will be done in the appropriate field, in a secondary school, under the direction of the teacher in charge, and under the super-

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vision of one of the Education professors, to meet the requirements of the State of Pennsylvania.

Senior course. Six periods, first or second semester. Credit of three semester hours.

Prerequisite: Education 5 and 25.

Group conference hours as arranged.

25. INTRODUCTION TO HIGH SCHOOL TEACHING—Techniques of High School Teaching. This is an introductory course to the field of teaching in secondary schools, dealing largely with the techniques of teaching, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45 2d Semester

Sec. 3, M. W. F. 11 1st Semester

Sec. 5, M. W. F. 1 2d Semester

32. SOPHOMORE COMBINATION COURSE—The first third of the course is made up of those topics of Educational Sociology (formerly given as Ed. 12) not covered in other courses; some time will be given to Philosophy of Education not covered elsewhere; a considerable amount of time will be given to the topics usually covered by Principles of Secondary Education not covered elsewhere; and a considerable amount of time to the topics usually covered by Public School Administration not covered elsewhere. (Given for the first time in 1931-'32.)

Sophomore course. Three periods, either semester. Credit of three semester hours.

Sec. 2, Tu. Th. S. 7:45 1st Semester

Sec. 4, Tu. Th. S. 9 2d Semester

Sec. 6, Tu. Th. S. 10 2d Semester

33. SENIOR COMBINATION COURSE—The course includes those phases of the courses mentioned below which have not been covered elsewhere:

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Tests and Measurements, about 12 class hours,
Statistical Methods, about 7 class hours,
Teaching How to Study, about 6 class hours,
Extra-Curricular Activities, about 3 class hours,
The Morrison Plan, about 6 class hours,
Adolescent Psychology, about 3 class hours,
Visual Education, about 16 class hours.

The building up of a proper philosophy of education will be carefully watched thruout. (Given for the first time in 1931-'32.)

Senior course. Three periods, either semester. Credit of three semester hours.

M. W. F. 10

Various departments offer courses in methods. Consult the head of the Department of Education.

Gettysburg College has a chapter of Kappa Phi Kappa, the professional undergraduate national education fraternity. Membership is limited to upperclassmen definitely interested in teaching as a profession. Scholarship and leadership are the qualifications necessary.

English

*Professor CLINE, Assistant Professors WARTHEN and MASON,
and Mr. OSTROM*

A major in English includes Courses 1, 2a, 2b, 4, 6, and 10 or 12.

A. ENGLISH COMPOSITION—This course includes a review of grammar, punctuation, and the mechanics of composition; practice in writing exposition, argument, description, and narration, in long and short themes, and in letters; and the parallel study of specimens, and of the principles of rhetoric as they apply to writing. Lectures, recitations, written exercises in the classroom and outside, and personal conferences.

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Required course for all Freshmen. Three periods thruout the year. Credit of six semester hours.

Prerequisite: three units of entrance English.

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 9

Sec. 4, Tu. Th. S. 9

Sec. 5, M. W. F. 10

Sec. 6, Tu. Th. S. 9

Sec. 7, M. W. F. 11

Sec. 8, Tu. Th. S. 10

1. ENGLISH LITERATURE—This course consists of a survey of English Literature from "Beowulf" to Kipling.

Sophomore course. Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 10

- 2a. SHAKESPEARE—Careful study of eight or ten of the plays, with the more rapid reading of others, selected and arranged so as to give the student an insight into the development of Shakespeare's mind and art.

Junior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

- 2b. THE ROMANTIC MOVEMENT—A study of the representative English prose and verse from 1790 to 1832.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

3. ENGLISH NOVEL—The year will be given to the study of the historical development of the English novel, the course being conducted as a seminar.

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Open to Seniors majoring in English, and to others if library resources permit. Two periods thruout the year. Credit of six semester hours.

Tu. Th. 11

- 4a. CHAUCER—Reading of Chaucer's "Canterbury Tales" and other principal poems.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

- 4b. EIGHTEENTH CENTURY PROSE—Extensive reading in non-fiction prose by Defoe, Swift, Steele, Addison, Johnson, Burke, and other eighteenth-century prose masters. *Junior course. Three periods, second semester. Credit of three semester hours.*

M. W. F. 11

5. ARGUMENTATION AND DEBATING—A study of the substance and the forms of argumentative discourse, written and spoken; involving the principles of inductive and deductive logic, of sound and fallacious reasoning, of evidence, of the selection and use of materials, and of the best forensic and platform practice.

Elective course open to members of class and college debating teams, and to qualified Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours.

Tu. Th. 10

6. AMERICAN POETS—The interpretation and analysis of the poetry of the chief American poets from William Cullen Bryant to Sidney Lanier, with reference readings in relevant critical prose and biography.

Elective course for all qualified students. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

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9. MODERN DRAMA—A survey of modern drama from Ibsen to O'Neill.

Three periods, second semester. Credit of three semester hours.

M. W. F. 9

10. ENGLISH DRAMA—A survey course in the drama from the liturgical play to the rise of the New Drama.

Three periods, first semester. Credit of three semester hours.

M. W. F. 9

11. PRINCIPLES OF LITERARY CRITICISM—A study of the essentials of taste and literary appreciation.

Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

12. VICTORIAN POETRY. A study of the important poets of the nineteenth century from 1832 to 1900.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

13. COMPOSITION COURSE FOR TEACHERS—This course is designed to meet the needs of those students who are preparing to teach English, although other students may be admitted upon adequate preliminary training. The course will consist of a study of the fundamentals of English grammar and rhetoric: analysis of sentence elements and of sentence structure; punctuation; paragraph and theme writing; and such other matters as seem essential to the aim of the course.

Junior and Senior course. One period, second semester.

Credit of two semester hours.

Hour as arranged.

English Bible

Professor WALTEMYER and Mr. HERSHEY

1. LIFE OF CHRIST—A study of the external aspects of Christ's life as it presented itself to those who witnessed it, with a view to an understanding of its eternal significance. There is a preliminary and brief survey of the rise and progress of the Hebrew people with emphasis upon the religious truths which, through them, were communicated to the world in preparation for the advent of Christ. Required of all Freshmen.

Three periods, either semester. To be preceded or followed by Orientation the same year. Credit of three semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. BETWEEN THE TESTAMENTS—History of the Maccabean and Roman period to the fall of Jerusalem, affording a background for a study of the New Testament.

Open to Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours.

Alternates with Course 12.

Not given 1934-'35.

4. CHRISTIANITY AS HISTORY—An extension of the study of Christianity beyond its Biblical limits, as a continuous religious development from its New Testament origins to the present.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

5. LITERARY STUDY OF THE BIBLE—The Bible as Literature. A study of its literary forms as a guide to appreciation of its inward spirit.

GETTYSBURG COLLEGE

Open to Sophomores, Juniors, and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 10

6. EVIDENCES OF CHRISTIANITY—A study of the theistic evidences and the proofs of the presence and action in the world of a supernatural redemptive power as these appear in the first Christian documents, and in Christian history, dealing with the questions which arise in the effort to intellectualize the content of the Christian revelation.

Junior and Senior course. Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

8. HISTORY OF RELIGIONS—A survey of the history and content of the great ethnic religions, with a view to their comparison with Christianity.

Open to Juniors and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

9. NEW TESTAMENT GREEK—(see Greek 6).

10. NEW TESTAMENT HISTORY AND LITERATURE—A study of the spread of Christianity from Jerusalem, through Palestine, to Antioch, through Asia Minor to Greece and then to Rome, with emphasis on the life and writings of Paul.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

12. THE HEBREW PROPHETS—A study of the prophets and their times with a view of discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order.

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Open to Sophomores, Juniors, and Seniors.

Two periods, first semester. Credit of two semester hours

Alternates with course 3.

Tu. Th. 10

Fine Arts

Professor CLUTZ

Survey courses treating the principal art epochs and endeavoring to show how the art of each period is the expression of its spiritual life.

1a. ARCHITECTURE.

One hour per week, first semester. Credit of one semester hour.

Not given 1934-'35.

1b. SCULPTURE.

One hour per week, second semester. Credit of one semester hour.

Not given 1934-'35.

2a. PAINTING PRIOR TO RUBENS.

One hour per week, first semester. Credit of one semester hour.

W. 7 P.M.

2b. PAINTING SINCE RUBENS.

One hour per week, second semester. Credit of one semester hour.

W. 7 P.M.

French

(SEE ROMANCE LANGUAGES)

GETTYSBURG COLLEGE

German

Professor GRIMM, Assistant Professor VON SCHWERDTNER, and
MR. GUTMANN

A major in German includes Courses 2, 3, 5, 9 or 110, and
11.

- A. ELEMENTARY GERMAN—The essentials of grammar, with
exercises; reading of simple prose and poetry.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 2

1. INTERMEDIATE GERMAN—Reading of modern standard
prose; private reading may be required. The primary aim
of the course is to impart to the student as rapidly as
possible a reading knowledge of the language.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance German or German A.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

2. LYRIC AND EPIC—Reading and interpretation of German
lyric and epic poetry, with special reference to Goethe;
collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 9

3. DRAMA—A study of the German drama, with special
reference to Lessing, Schiller, Goethe, and the Nineteenth
Century; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 10

GETTYSBURG • PENNSYLVANIA

4. LUTHER—An advanced course devoted to the study of selections from Luther's German writings.

One period thruout the year. Credit of two semester hours.

Tu. 2

- 5a. COMPOSITION—A course in the practice of writing idiomatic German. Exercises in Grammar.

One period thruout the year. Credit of two semester hours
Prerequisite: German A.

M. 7:45

- 5b. CONVERSATION—A course in the practice of speaking German.

Two periods thruout the year. Credit of four semester hours.
Prerequisite: German A.

W. F. 7:45

6. A GENERAL INTRODUCTION TO LINGUISTIC SCIENCE AND COMPARATIVE PHILOLOGY, with special reference to the Germanic Languages. Lectures. Collateral reading is required.

One period thruout the year. Credit of two semester hours.

Tu. 3

7. GERMAN SCIENTIFIC PROSE—Selections of literary merit from authors in the field of the natural sciences.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

8. GERMAN SCIENTIFIC PROSE—Readings adapted to individual needs of students majoring in any of the exact sciences.

One period thruout the year. Credit of two semester hours.

Tu. 4

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- 9a. ADVANCED GERMAN PROSE—Cursory reading of more difficult German prose writers in the fields of fiction, history, and philosophy, selected to coordinate with German 9b.

Two periods thruout the year. Credit of four semester hours.
Prerequisite: German A and 1.

Th. S. 11

- 9b. HISTORY OF GERMAN CIVILIZATION.

One period thruout the year. Credit of two semester hours.

Tu. 11

110. GOETHE'S FAUST.

Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 11

11. CONTEMPORARY LITERATURE—Directed readings.

Senior course. Hours and credit as arranged.

Greek

Acting Professor SHAFFER

A major in Greek consists of twenty-four semester hours above Greek A and may include Philosophy 6a.

- A. FIRST YEAR GREEK—An elementary course for beginners.
Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

- B. SECOND YEAR GREEK—Selections from Xenophon and Homer. Prose composition.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

1. HERODOTUS—Selections.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

GETTYSBURG • PENNSYLVANIA

2. GREEK TRAGEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

103. GREEK LITERATURE IN ENGLISH—A series of readings from Greek authors designed to give the student a broad acquaintance with the content of Greek literature. Knowledge of Greek not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

104. GREEK HISTORY—A survey of Aegean civilization from the earliest times to the Hellenistic Age. Knowledge of Greek not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

5. GREEK MUSIC—A study of Greek musical theory and practice, with readings from the sources. Restricted to advanced students.

Three periods, first semester. Credit of three semester hours.

Not given 1934-'35.

6. NEW TESTAMENT—The Gospels or the Acts of the Apostles.

Three periods, second semester. Credit of three semester hours.

Not given 1934-'35.

7. PLATO—The "Apology" and the "Crito." A study of Socrates.

Three periods, first semester. Credit of three semester hours.

Not given 1934-'35.

8. HOMER—The "Iliad" or the "Odyssey" will be studied with emphasis on the literary qualities of the poems and on the culture of the Homeric age.

GETTYSBURG COLLEGE

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

9. PROSE COMPOSITION.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

10. THE ANCIENT HISTORY OF THE NEAR EAST—A survey of the civilizations of southwestern Asia and Egypt from the earliest times to the Persian Empire.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

12. GREEK COMEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Not given 1934-'35.

History

Professor FORTENBAUGH and Mr. IDLE

A major in History consists of twenty-four semester hours including Courses 1, 8, 9, and at least three other courses, one of which must be a full-year course. History 1 is prerequisite to all courses in the department, except by special permission.

1. HISTORY OF CIVILIZATION—A survey course beginning with pre-history, with the aim of illustrating the growth of human ideals and institutions.

Three periods thruout the year. Credit of six semester hours. Both semesters must be taken and in the regular order.

Lectures Tu. Th. 11

Discussion sections M. 7:45 and 11

Tu. 7:45, 9 and 10

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2. HISTORY OF ENGLAND FROM THE EARLIEST TIMES TO THE PRESENT.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 10

3. HISTORY OF THE UNITED STATES—A survey course beginning with the discovery of America and continuing to the present time.

Three periods thruout the year. Credit of six semester hours.

By special permission, either semester may be taken, in any order.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

4. THE RENAISSANCE, THE REFORMATION, AND THE COUNTER-REFORMATION—A study of the forces and conditions involved in the transition from the medieval to the modern world.

Three periods, second semester. Credit of three semester hours.

Not given 1934-'35.

5. AMERICAN ECONOMIC HISTORY—A study of the economic life and forces thruout the history of the United States.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

6. HISTORY OF THE AMERICAS—An extensive study of American nations other than the United States, with special reference to Latin-America.

Three periods, second semester. Credit of three semester hours.

Not given 1934-'35.

7. HISTORY OF MEDIEVAL EUROPE FROM THE PERIOD OF THE BARBARIAN INVASIONS THRU THE AGE OF THE RENAISSANCE.

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Three periods, first semester. Credit of three semester hours.

Alternates with course 2.

Not given 1934-'35.

8. INTRODUCTION TO THE SCIENCE AND METHOD OF HISTORY.

This course aims to give the student an introduction to the science of History and to inform him as to methods and aids in teaching, investigation, and appreciation of historical knowledge. Designed for and required of all Junior major students in the department, but open, by permission, to all qualified students, especially those who are planning to teach history.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

9. HISTORY OF PENNSYLVANIA—A survey of Pennsylvania History from colonial days to the present. Open only to Junior major students in the department and to other qualified students. The chief requirement in the course is an undergraduate thesis on some phase of Pennsylvania History which may also be offered to the Department of Education in partial fulfillment of its requirement for graduation.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

10. POLITICAL AND INTERNATIONAL HISTORY OF EUROPE SINCE 1815.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

11. PERIOD STUDY IN AMERICAN HISTORY—A period in American History to be studied intensively is selected each year. Enrollment in the course is open to qualified students only by permission.

One two-hour period thruout the year. Credit of four semester hours.

W. 1

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12. AMERICAN SOCIAL HISTORY—A study of a short period, to be selected, is made with the purpose of illustrating the nature of every-day life.

Three periods, second semester. Credit of three semester hours.

Prerequisite: History 3.

M. W. F. 11

14. POLITICAL AND SOCIAL HISTORY OF EUROPE, 1500-1815.

Three periods, second semester. Credit of three semester hours.

Alternates with course 2.

Not given 1934-'35.

Courses in Greek History and Ancient History of the Near East, Roman History, History of French Civilization, History of Education, and Church History are offered in the Departments of Greek, Latin, Romance Languages, Education, and English Bible, respectively. All interested will consult the announcements of those departments.

Latin

Professor GLENN

A major in Latin includes Courses 101, 102, 103, 104, 113, two courses from 105, 106, 107, 108, and two courses from 109, 110, 111.

B-C. VERGIL AND OVID—Selections from the "Aeneid" and the "Metamorphoses." For students offering only two or three years of Secondary School Latin for admission to college. This course counts as six semester hours toward graduation.

Students lacking four years of Secondary School Latin and planning to take courses in College Latin other than 109, 110, 111, are required to take this course as a prerequisite.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 11

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101. HORACE—Selections from the "Odes," "Epodes," "Satires."

Freshman course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

102. ROMAN POETRY—Selections from the Roman poets ranging from the beginnings to the Christian hymns.

Freshman course. Three periods, second semester. Credit of three semester hours.

M. W. F. 9

103. LATIN PROSE LITERATURE—Selections from the most prominent prose writers from the second century B. C. to the second century A. D.

Three periods, first semester. Credit of three semester hours.

M. W. F. 10

104. ROMAN COMEDY—Selected plays of Plautus and Terence. Informal lectures on the Roman theatre, the origin and development of Roman drama.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

105. ROMAN LETTERS—Cicero and Pliny. Collateral reading and informal lectures on the life and literature of the times of Cicero and Pliny.

Two periods, first semester. Credit of two semester hours.

Alternates with course 107. Not given 1934-'35.

106. ROMAN PHILOSOPHY—Lucretius, Cicero, and Seneca.

Two periods, second semester. Credit of two semester hours.

Alternates with course 108. Not given 1934-'35.

107. MEDIEVAL LATIN—Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the

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novel, and epic, lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth century to the seventeenth century A. D.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

108. ROMAN ELEGY—Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

109. ROMAN LAW—A careful study of the historical development and content of Roman Law by means of textbook, collateral reading, and lectures. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

Alternates with course 111. Not given 1934-'35.

110. LATIN LITERATURE IN TRANSLATION—A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

111. ROMAN HISTORY AND CIVILIZATION—The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

GETTYSBURG COLLEGE

113. LATIN PROSE COMPOSITION.

One period thruout the year. Credit of two semester hours.

S. 9

Mathematics

Professor ARMS, Assistant Professor CESSNA and

MR. AMSPACHER

A major in Mathematics consists of at least twenty-four semester hours, twelve of which must be chosen from the following: Mathematics 6, 7, 8, 9, 10, 14. Mathematics 6 (Calculus) is required of all students majoring in Mathematics.

Courses marked (*) may not be offered in satisfaction of the "Pure Mathematics" requirements for either concentration or distribution.

1. PLANE TRIGONOMETRY AND ALGEBRA—Definitions and properties of the trigonometric functions; logarithms; solution of triangles.

Three periods, second semester. Credit of three semester hours.

Prerequisite: one unit of Algebra and one unit of Geometry.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

2. COLLEGE ALGEBRA—Elementary theory of equations, complex numbers, binomial theorem, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: one unit of Algebra.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. (With 5.) ANALYTIC GEOMETRY—The course together with Mathematics 5 includes plane and solid analytic geometry with an introduction to the methods, aims and uses of modern mathematics. They comprise a year course.

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Three periods thruout the year. Credit of six semester hours.
Prerequisite: one unit of Algebra, one unit of Geometry
and one-half unit of Trigonometry, or Mathematics 1 and 2.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 10

4a. PLANE TRIGONOMETRY AND ADVANCED ALGEBRA—

The course is designed primarily for Engineering students and includes topics in Algebra such as mathematical induction, series, probability, and the like, together with a rapid survey of the essentials of Plane Trigonometry.

Four periods, first semester. Credit of four semester hours.
Required of Freshmen in Engineering.

Prerequisite: one unit of Algebra and one unit of Geometry.

M. W. F. S. 11

4b. INTRODUCTION TO THE CALCULUS—The elements of Analytic Geometry and Calculus for Engineering students.

Four periods, second semester. Credit of four semester hours. Required of Freshmen in Engineering.

Prerequisite: Mathematics 4a.

M. W. F. S. 11

5. (With 3.) ANALYTIC GEOMETRY—This and Mathematics 3 comprise a year course. For description and prerequisite see Mathematics 3 above.

6. DIFFERENTIAL AND INTEGRAL CALCULUS—The fundamental formulae of differentiation with applications; series and the expansion of functions; the definite and the indefinite integral, applications, including areas and volumes.

Three periods thruout the year. Credit of six semester hours.
Prerequisite: Math. 5.

Th. F. 1

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- 6a. DIFFERENTIAL AND INTEGRAL CALCULUS—Topics in calculus and its applications for Engineering students.

Four periods thruout the year. Credit of eight semester hours.

Prerequisite: Math. 4a and 4b.

M. W. F. 10 Tu. 9

7. DIFFERENTIAL EQUATIONS—The theory and devices which will enable the student to integrate ordinary and partial differential equations.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 6.

Th. F. 1

8. MODERN GEOMETRY—A course in advanced analytic or synthetic geometry is offered in alternate years to advanced students.

Not given 1934-'35.

9. MODERN ANALYSIS—A course in advanced analysis or the theory of functions is offered to advanced students.

Three periods thruout the year. Credit of six semester hours. Hours as arranged.

Prerequisite: Math. 6.

- 10.* TEACHERS' COURSE—The methods of teaching the secondary school subjects, the history of elementary mathematics, and practice teaching so far as is practicable.

Two periods, or the equivalent, thruout the year. Credit of four semester hours. Hours as arranged.

- 11.* MATHEMATICS OF INVESTMENT—The application of the theory of compound interest to amortization, annuities and life insurance.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

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- 13.* STATISTICS—A first course in economic statistics; the mean, mode, median; correlation, index numbers, and business barometers.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

14. MATHEMATICAL SEMINAR—A course for advanced students in mathematics or science consisting in a discussion of those methods of pure mathematics needed for the study of modern science.

Credit and hours as arranged.

Prerequisite: Math. 5 and Physics 1.

- 15.* COSTS AND DEPRECIATION—Methods of charging depreciation and costs, the preparation of schedules, and an introduction to cost-accounting.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 2 and Economics A.

Tu. 1 Tu. W. 2

Orientation

Professor SANDERS, and Assistant Professor BOUGHTON

The object of this course is to furnish Freshmen a preface to the college course and an introduction to a philosophy of life. The course begins with suggestions on how to study, gives an outline of the principles of self-development, a preface to the idea of scientific-mindedness, studies our social heritages in literature and political and religious institutions, and concludes with an analysis of public opinion and the processes of its formation. Required of all Freshmen.

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Three periods, either semester. To be preceded or followed by English Bible 1 the same year. Credit of three semester hours.

Lecture, M. 4

Sections for Discussion:

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

Philosophy

*Professor SANDERS, Associate Professor BASSET, and
Assistant Professor BOUGHTON*

A major in Philosophy includes Courses 1, 3, 5, 6, 7 and 8, and may include Greek 7. Philosophy 5 is a prerequisite for all philosophy courses except Philosophy 1 and 2.

1. **PSYCHOLOGY**—A course in general psychology which aims to acquaint the student with the phenomena of mind, the methods of psychological investigation, and the practical bearing of the various mental functions on the problems of ethics, pedagogy, etc.

Sophomore course. Three periods, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 11

Sec. 3, M. W. F. 10

Sec. 4, Tu. Th. S. 10

2. **SOCIAL PSYCHOLOGY**—A study of the basal tendencies in human nature, forming a transition between psychology, and ethics and sociology. An investigation into the ways in which the human element works towards higher destiny.

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Sophomore course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sections and hours same as for Philosophy 1.

3. LOGIC—An introductory course in the laws of thought. The evolution of the concept, its development into judgment and inference, the systematic function of classification, the explanatory function of generalization, and the methodology of proof and investigation are studied with a view to securing a foundation for the theory of knowledge and effective scientific method.

Junior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

104. INTRODUCTION TO PHILOSOPHY—The course in general psychology suggests the problems of philosophy. The course in Introduction aims to acquaint the student with the content of philosophy, the origin and development of the various problems, the aim and method of philosophy, the results which have been attained, and its relation to the other departments of human thought.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

5. ETHICS—A study of human conduct. The concept of personality and the idea of self-realization, as forming the background of moral judgment, are wrought into a system which explains the origin of the moral motives as well as their implication of God and immortality.

Junior course. Three periods, first semester. Course repeated second semester. Credit of three semester hours.

1st Sem. M. W. F. 10

2nd Sem. Tu. Th. S. 10

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- 6a. HISTORY OF PHILOSOPHY. ANCIENT AND MEDIEVAL PERIOD—This course traces the rise and progress of reflective thought as it appears among the Greeks and culminates in Scholasticism. Special stress is placed upon the Greek thinkers, with a view to acquiring an understanding of the spirit of philosophy.

Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 11

- 6b. HISTORY OF PHILOSOPHY. MODERN PERIOD—This course covers the period from the Renaissance to the present time. Special stress is placed upon the great systems. The student is required to read selections from the great thinkers and report on them, the constant aim being to cultivate the philosophizing attitude, thus furnishing a basis for independent thought as well as an inspiration to do original thinking.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 6a.

M. W. F. 11

7. PHILOSOPHY OF RELIGION—A study of religion as a distinct factor in human development. The aim of the course is to show the nature of religion and to interpret the various forms in which it manifests itself.

Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

8. METAPHYSICS—Beginning with the method of system building, the student is introduced to the meaning of a world-view, the factors which a comprehensive and consistent view must recognize, and the reasons for regarding Theism as the theory which best meets existing requirements.

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Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 4, 5, 6, or 7.

M. W. F. 9

9. EPISTEMOLOGY—A study of epistemology investigating the principles of science with a view to understanding their origin, their validity, and their philosophical implications.

Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

10. EXPERIMENTAL PSYCHOLOGY—This is an elementary laboratory course in psychology, covering the most essential features in the experimental method.

Open to Seniors and Juniors. Two laboratory periods, second semester. Credit of two semester hours.

Prerequisite: Philosophy 1.

Hours to be arranged.

11. GENETIC PSYCHOLOGY—A psychological approach to the traits and problems of children and adolescents, with special reference to mental growth and its significance for the educator.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 11

12. PSYCHOLOGY OF BUSINESS AND INDUSTRIAL MANAGEMENT—A course dealing with the applications of psychology in the fields of business, industry, engineering, etc.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1 and Economics 1.

Alternates with course 14.

Not given 1934-'35.

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113. SOCIOLOGY—A study of the nature of society and its problems. Starting with the psychological factors of sociation, the development of social institutions, the economic and cultural factors of social progress, and the elimination of hindrances, evils are taken up in turn with a view to an understanding of the methods of social improvement. *Junior and Senior course. Three periods, second semester. Credit of three semester hours.*

M. W. F. 11

14. PSYCHOLOGY OF THE ABNORMAL MIND—A psychological approach to the problems of mental deficiency and insanity, with special reference to the detection of abnormal tendencies in children and to mental hygiene. *Junior and Senior course. Three periods, second semester. Credit of three semester hours. Prerequisite: Philosophy 1 and 2.*

Tu. Th. S. 7:45

15. ORIENTAL PHILOSOPHY—This course aims at giving the student an introduction to the fundamental principles underlying the great systems of oriental thought, and the correspondences and contrasts with the thought of the western world. *Senior course. Three periods, second semester. Credit of three semester hours.*

Tu. Th. S. 9

Teachers in the service may enroll for courses outside the regular college schedule provided there is a sufficient number to justify a class.

Physical Education

Professor BILHEIMER and Mr. BREAM

- 1, 2. ELEMENTARY PHYSICAL EDUCATION—Members of the Freshman class electing Physical Education are required

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to take Physical Education 1 and 2. This course consists of one lecture period thruout the first semester on personal hygiene, and two periods (three in the second semester) presenting a natural technique of gymnastic practice involving natural activities.

Three periods thruout the year. No credit.

Sec. 2, Tu. Th. 11

Lecture, Tu. 4

Sec. 4, Tu. Th. 2

Lecture, Tu. 4

- 3, 4. ADVANCED PHYSICAL EDUCATION—Members of the Sophomore class electing Physical Education are required to take Physical Education 3 and 4, an advanced course in natural activities.

Three periods thruout the year. No credit.

Sec. 1, M. W. F. 10

Sec. 3, M. W. F. 11

- 5, 6. THEORY AND PRACTICE OF MAJOR SPORTS—Normal course intended for those expecting to take charge of Physical Education in secondary schools.

First Semester.

- A. FOOTBALL—Playing rules from the standpoint of player, coach, and official; history and development of the game; strategy and method of coaching; relation of physical condition to individual and team development.
- B. BASKETBALL—Coaching and officiating; modern attack and defense.

Second Semester.

- C. BASEBALL—Rules; theory and scoring; discussion of base-running; position play and modern team-play.
- D. TRACK—Discussion of important points in coaching track and field events: selection of men; development

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of candidates; eradication of weak points and the development of a well-balanced team.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

7, 8. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

ATHLETIC DIRECTORSHIP IN SECONDARY SCHOOLS.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

Physics

Professors CHENEY and MILLER, and MR. AMSPACHER
A major in Physics includes Courses 1 and 3.

1. ELEMENTARY PHYSICS—Mechanics, Heat, Sound, Magnetism, Electricity, and Light.

Three one-hour periods of lectures and recitations and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: college entrance Algebra.

M. W. F. 9 Lab. W. Th. or F. 1

3. INTRODUCTION TO ADVANCED PHYSICS—Mechanics, Thermodynamics, Magnetism, Electricity, and Light. This course covers the same general ground as Course 1, but with the introduction of higher mathematical processes and with greater completeness of theoretical detail.

Three periods of lectures and recitations and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: Physics 1, Mathematics 4b or 5.

M. W. F. 7:45 Lab. M. or Tu. 1

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7. ATOMIC STRUCTURE—Facts and theories pertaining to electrons, atoms, molecules.
Three periods thruout the year. Credit of six semester hours.
Prerequisite: Physics 3, Mathematics 4b or 5.
Hours as arranged.
8. ADVANCED THEORETICAL MECHANICS.
Three periods, first semester. Credit of three semester hours.
Prerequisite: Physics 3, Mathematics 6.
Hours as arranged.
9. ADVANCED ELECTRICITY AND MAGNETISM.
Three periods, second semester. Credit of three semester hours.
Prerequisite: Physics 3, Mathematics 6.
Hours as arranged.
10. ADVANCED LABORATORY PHYSICS.
Credit depends upon the quality and quantity of the work done.
Prerequisite: Physics 3.
12. DESCRIPTIVE ASTRONOMY—A course in general and descriptive astronomy. Recitations and lectures. Elective for all students.
Two periods, second semester. Credit of two semester hours.

M. W. 11

Political Science

Professor Saby

A major in Political Science consists of twenty-four semester hours, nine of which may, with the approval of the adviser, be taken in related fields outside the department.

1. AMERICAN GOVERNMENT AND CITIZENSHIP—A general survey of the principles and practice of American government for an intelligent comprehension of the duties and privileges of active citizenship.

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Prerequisite for other courses in Political Science.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, first semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

3. EUROPEAN GOVERNMENTS—A study of the government and politics of the more important European states. *Junior and Senior course. Three periods, second semester. Credit of three semester hours.*
Not given 1934-'35.

4. CONSTITUTIONAL LAW—A study of the basic principles of American Constitutional Government. *Junior and Senior course. Three periods, first semester. Credit of three semester hours.*
Not given 1934-'35.

5. INTERNATIONAL LAW—The development of the rules of international law; the rights and obligations of nations in times of war and peace and the settlement of international disputes. *Junior and Senior course. Three periods, second semester. Credit of three semester hours.*

Tu. Th. S. 9

6. BUSINESS AND THE GOVERNMENT—A study of the political, legal, and economic aspects of the relation of government to business. *Junior and Senior course. Three periods, first semester. Credit of three semester hours.*

Tu. Th. S. 10

7. MUNICIPAL GOVERNMENT—A study of city government and its problems. *Junior and Senior course. Three periods, first semester. Credit of three semester hours.*
Not given 1934-'35.

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8. POLITICAL PARTIES—A non-partisan consideration of the nature and activities of political parties and of current questions and discussions of party interest.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

10. SENIOR READING COURSE—Supervised reading in the field of Political Science.

Open to seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

Romance Languages

Professor BACHMAN, Assistant Professors HAMME and
HARTSHORNE

A major in French or Spanish includes twenty-four semester hours above the A course.

French

- A. ELEMENTARY COURSE—The essentials of grammar. Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

1. INTERMEDIATE COURSE—Grammar and Composition. Reading of a number of modern French authors.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance French or French A.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 10

Sec. 3, M. W. F. 10

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- 2a. FRENCH LITERATURE OF THE 17TH CENTURY—Two plays each by Molière, Corneille, and Racine. Selections from French prose writers of the 17th century.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 11

2. FRENCH LITERATURE OF THE 18TH CENTURY—Selections from Buffon, Montesquieu, Voltaire, Rousseau, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

Alternates with course 2a. Not given 1934-'35.

3. FRENCH LITERATURE OF THE 19TH CENTURY—Selections from Chateaubriand, Hugo, Lamartine, de Musset, de Vigny, Balzac, Sainte-Beuve, Flaubert, Daudet, Zola, Maupassant, Bourget, Anatole France, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 9

4. OLD FRENCH LANGUAGE AND LITERATURE—This course is especially designed for those who expect to teach French. Selections from Bartsch's *Chrestomathie del'ancien français* will be read.

Two periods second semester. Credit of two semester hours.

Prerequisite: French 107.

Tu. Th. 9

5. ADVANCED GRAMMAR—Systematic study of French grammar with special reference to the presentation of grammatical principles in the teaching of French. The professional equipment of the teacher of French and methods of teaching will be discussed.

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Two periods thruout the year. Credit of four semester hours.

Prerequisite: French 2 or its equivalent.

Alternates with Courses 4 and 107. Not given 1934-'35.

6. ADVANCED COMPOSITION AND CONVERSATION.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 10

107. INTRODUCTION TO ROMANCE PHILOLOGY—This course deals with the phonetics and morphology of French, Spanish and possibly Italian. Emphasis will be laid on the phenomena having special significance for teachers.

For majors and minors in French and Spanish.

Two periods first semester. Credit of two semester hours.

Tu. Th. 9

8. PRACTICAL PHONETICS—French pronunciation and diction. Study of the alphabet of the International Phonetic Association.

One period thruout the year. Credit of two semester hours.

Prerequisite: French A or its equivalent.

Alternates with course 9. Not given 1934-'35.

9. HISTORY OF FRENCH CIVILIZATION.

One period thruout the year. Credit of two semester hours.

No language prerequisite.

Tu. 10

110. EXPLICATION DES TEXTES.

One period thruout the year. Credit of two semester hours.

Not given 1934-'35.

Spanish

- A. ELEMENTARY COURSE—Grammar and Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

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1. INTERMEDIATE COURSE—Reading of modern Spanish authors. Prose Composition.

Three periods thruout the year. Credit of six semester hours.
Prerequisite: two units of entrance Spanish or Spanish A.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

2. SPANISH LITERATURE OF THE 16-17TH CENTURIES—
Selections from Cervantes and plays of Lope de Vega,
Calderón, Tirso de Molina, and Alarcón.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

3. CONTEMPORARY SPANISH LITERATURE—Selections from
the best-known Spanish novelists and dramatists of the
20th century.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Tu. Th. S. 10

4. SPANISH CONVERSATION AND COMPOSITION—This course is
designed for students who wish to increase their ability
to understand and speak Spanish.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Not given 1934-'35.

6. NINETEENTH CENTURY SPANISH LITERATURE—Selections
from Espronceda, Saavedra, Zorrilla, and others of this
period.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Alternates with course 2. Not given 1934-'35.

Spanish

(SEE ROMANCE LANGUAGES)

Engineering

CIVIL ENGINEERING, ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING

*Professor CLUTZ, Assistant Professors REEN and SALTZER,
and Mr. PLANK*

ADVANCED Algebra and Plane Geometry are prerequisite for the Engineering courses. Students beginning a modern language in college will note that the one year prescribed in the list of required studies is above the "A" course and in this case two years of language are required to absolve the language requirement.

It is impossible to give a complete preparation for any branch of Engineering in a four year course. There are, however, certain fundamental subjects which are essential no matter what line of Engineering is taken up. It is our effort to give a good training in these fundamental subjects; hence during the Freshman, Sophomore and a large part of the Junior year all students take the same courses. Those who are looking toward Electrical or Mechanical Engineering will have the remainder of the work in the Junior year and a part of the work in the Senior year identical. The remainder of the work in the Senior year is more highly specialized.

Students who desire to emphasize the production or business end of Engineering may make certain adjustments, replacing a part of the more technical work by courses in Business Administration and Economics.

A complete schedule of prescribed studies is found on pages 34-36.

1. **ELEMENTARY MECHANICAL DRAWING**—Use of drawing instruments, orthographic projections, simple sections, intersections, and developments and lettering.

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Two three-hour periods thruout the year. Credit of four semester hours.

Tu. Th. 1

NOTE—The College provides drawing desks, etc., but each student furnishes his own drawing outfit, costing about thirty dollars. Students are urged to avoid the purchase of cheap instruments, which soon become worthless. Engineering students use their drawing instruments thruout their course and for years afterward. The purchase of an outfit of good grade is therefore economy.

2. GRAPHICS—The application of graphical methods to the solution of engineering problems.

Two three-hour periods thruout the year. Credit of four semester hours.

M. W. 1

3. MECHANICS, STATICS, AND DYNAMICS—Forces in equilibrium, simple structures, translation and rotation, work, energy, power. The periods are two hours to give time for a full discussion of problems.

Three two-hour periods thruout the year. Credit of three semester hours.

Prerequisite: Math. 4a and 4b.

Tu. Th. S. 10

5. HYDRAULICS—A study of the mechanics of water at rest and in motion, with applications to a variety of problems relating to the pressure of water and to its flow in natural and artificial channels, pipes, etc.

Three periods, first semester. Credit of three semester hours. Prerequisite: Engineering 3 and Math. 6.

Tu. Th. S. 10

6. STRENGTH OF MATERIALS—Recitation and laboratory work in the study of the properties of engineering materials. Standard tests of cement, sand, mortar, and

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concrete are made and compared. The common tensile, compressive, and transverse tests on steel, cast iron, wrought iron, and timber are made and discussed. The solution of practical problems in the use of the materials and simple design work is emphasized.

Three periods and one three-hour laboratory period, first semester. Credit of four semester hours. Two periods, second semester. Credit of two semester hours.

Prerequisite: Engineering 3 and Math. 6.

M. W. F. 10 Lab. F. 1

7. ELEMENTS OF ELECTRICAL ENGINEERING—The application of the fundamentals of electricity and magnetism to electrical engineering practice. Theory, structure, and operation of electrical machinery. Recitation work supplemented by simple laboratory experiments.

Two periods, first semester. Credit of two semester hours. Three periods and one three-hour laboratory period, second semester. Credit of four semester hours.

Prerequisite: Physics 1.

Tu. Th. 10 Lab. F. 1

Civil Engineering

- A. ELEMENTARY PLANE SURVEYING—An introduction to the use of surveying instruments and computations. Instruction in the use of the slide rule.

One period and one three-hour laboratory period, first semester. One period, second semester. Credit of three semester hours.

F. 9 Lab. M. 1

11. PLANE SURVEYING—This course gives drill in the use of the more common surveying instruments, in the best methods of keeping notes, and in the computations and

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mapping required in connection with the usual work of a surveyor.

Two periods thruout the year. Credit of four semester hours.

M. W. 9

12. SURVEYING—Practice work done in connection with Course 11. Field work giving a drill in the use of the more common surveying instruments, and work in the classroom plotting surveys, and making the necessary computations. *One three-hour period thruout the year. Credit of two semester hours.*

Th. 1

13. SURVEYING—Field work done in the Senior year. Topographic surveying using a variety of instruments, including the plane table. Railroad surveying. Adjustment of instruments.

One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

17. RAILROADS—A course in the economics of railroad construction and operation, maintenance, and valuation.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

18. STRUCTURAL DESIGN—Stresses in framed structures, principally roof trusses and bridges of various types.

One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: Engineering 3.

F. 9 Lab. M. W. 1

- 18a. STRUCTURAL DESIGN—One semester of design in concrete and one in steel. Principally work in design of buildings.

F. 10 Lab. M. W. 1

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19. **STRUCTURAL DESIGN**—A course in the strength of materials as applied to the analytical design of structures of wood, steel, and concrete. Beginning with beams the student finally makes all the calculations necessary in the complete design of a plate girder and trusses of the riveted and pin-connected types.

One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

W. 9 Lab. M. W. 1

20. **STRUCTURAL DRAFTING**—The making of detailed drawings for the component parts of a steel structure. Conformity with the best practice is required, and the drawings are carefully checked.

Two three-hour periods, second semester. Credit of two semester hours.

Not given 1934-'35.

21. **CONTRACTS AND SPECIFICATIONS**—The elements of contract law as applied to the mutual relations of engineer, contractor, and owner. Critical review of typical specifications and practice in specification writing.

One period, first semester. Credit of one semester hour.

M. 7:45

23. **HIGHWAYS**—Recitations on the design, construction, and maintenance of roads and pavements, with especial consideration of the exigencies of present-day traffic.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

26. **ENGINEERING SEMINAR**—Oral and written reviews and discussions of current technical articles.

One period thruout the year. Credit of two semester hours. Hours as arranged.

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27. **ENGINEERING ECONOMICS**—A study of the elements other than purely technical entering into the solution of Engineering problems—economic, financial, etc. A survey of methods of production as affected by Engineering considerations.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

Mechanical Engineering

31. **SHOP WORK**—Simple exercises in the formation of green sand moulds, supplemented by lectures on modern foundry practice. Bench and lathe work in wood, elements of pattern making.

One three-hour period, first semester. Credit of one semester hour. Hours as arranged.

32. **SHOP WORK**—Forge practice in iron and steel. Shaping, hardening, and tempering of tools. Machine and bench work in metals. Lectures on modern shop practice.

One three-hour period, second semester. Credit of one semester hour. Hours as arranged.

33. **KINEMATICS**—Theory of mechanisms, instant centers, cams, gears, linkages, velocity and acceleration diagrams, etc. Recitation work supplemented by the solution of practical problems in the drawing room.

Two three-hour drawing periods, second semester. Credit of three semester hours.

Lab. M. W. 1

34. **MACHINE DESIGN**—An elementary course showing the application of the fundamentals of mechanics and kinematics to machine design. Selection of mechanisms for specified work, analysis of energy and force problems in

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machines, and proportioning of detailed parts from theoretical and practical considerations.

Two periods, first semester. Credit of two semester hours.

M. F. 9

35. MACHINE DESIGN—Application of principles of Course 34 to the design of typical machines, including all necessary computations; working drawings of most important parts, and a finished assembly drawing.

One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: M.E. 34.

M. W. 10 Lab. Th. 1

36. HEAT POWER ENGINEERING—Thermodynamics of gases and vapors, theoretical gas cycles, application of theory to problems of commercial heat engines, engine performances and efficiencies.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

37. HEAT POWER ENGINEERING—A continuation of Course 36. Fuels, combustion, boilers, gas engines, steam engines and turbines, power house auxiliaries, etc. Efficiency and economy of operation. Selection and combination of elements for power houses. This study covers the theory necessary for Course 38.

Three periods, first semester. Credit of three semester hours.

Prerequisite: M.E. 36.

Tu. Th. S. 11

38. POWER PLANT ENGINEERING—A continuation of Course 37.

Three periods, second semester. Credit of three semester hours.

Prerequisite: M.E. 37.

Tu. Th. S. 11

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39. MECHANICAL ENGINEERING LABORATORY—Calibration of common engineering measuring instruments, such as steam gauges, thermometers, indicator springs; determinations of quality of steam; measurements of power; efficiency tests of boilers, gas engines, pumps, flue gas analysis, etc.

One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

40. MOTOR VEHICLES—A critical study of motor vehicles with particular attention to internal combustion engines, transmission gears, clutches, differentials, braking and timing devices.

Three periods, second semester. Credit of three semester hours. Prerequisite: M.E. 36. Hours as arranged.

Not given the same year as M.E. 41.

41. AERONAUTICS—General aeronautical theory, including sustentation, characteristics of airfoils, longitudinal, lateral, and directional stability, propeller analysis, and airplane performance. A preliminary design is worked out. Standard engines and instruments are analyzed.

Three periods, second semester. Credit of three semester hours. Hours as arranged.

Not given the same year as M.E. 40.

Electrical Engineering

45. THEORY OF ELECTRICAL MACHINERY—Fundamentals of the electric and magnetic circuit; representation of alternating currents and voltages by vectors and complex quantities; study of the alternating current circuit; theory of transmission lines; transformers, alternators, synchronous and induction motor, direct current machines, etc.

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*Two periods and two laboratory hours thruout the year.
Credit of six semester hours.*

Prerequisite: E. 7.

M. W. F. 9

46. CHARACTERISTICS OF ELECTRICAL MACHINERY—This course supplements the work of Course 45. Problems in alternating current circuits. Outline design and predetermination of performance characteristics of transmission lines, transformers, alternators, alternating current motors, and direct current generators and motors. Practice is given in the use of standard handbooks.

Three periods, second semester. Credit of three semester hours. May be taken only with E.E. 45. Hours as arranged.

47. ELECTRICAL ENGINEERING LABORATORY—Elementary and advanced experimental work in electrical engineering: the study of polyphase alternating current circuits, shape of A. C. waves; commercial testing of alternators, transformers, synchronous motors, induction motors, D. C. machines, etc.

One three-hour period thruout the year. Credit of two semester hours. Laboratory course with E.E. 45.

M. 1

48. COMMUNICATION ENGINEERING—The function of networks, complex quantities, theorems, resonance, infinite line, filters, inductive interference, coupled circuits, impedance matching, bridge circuits, audio amplifiers, radio frequency amplifiers for reception, modulation and demodulation, vacuum-tube detectors, oscillators, electromechanical coupling, etc.

Three periods, second semester. Credit of three semester hours. Prerequisite: E. 7. Hours as arranged.

Not given the same year as E.E. 50.

50. RADIO ENGINEERING—Fundamental ideas and laws, resistance, inductance, capacity, general view of radio

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communication, laws of oscillating circuits, spark telegraphy, vacuum tubes and their operation, continuous wave telegraphy, radio telephony, antennae and radiation, amplifiers, etc.

Three periods, second semester. Credit of three semester hours.

Prerequisite: E. 7. Hours as arranged.

Not given the same year as E.E. 48.

Engineering Equipment

For a detailed description of the equipment in engineering see page 131.

MILITARY SCIENCE AND TACTICS

(RESERVE OFFICERS' TRAINING CORPS)

Major EDWARD H. BERTRAM, Inf., U.S.A.

Captain GEORGE R. HEDGE, Inf., U.S.A.

Sergeant JAMES MASHBURN, Inf., U.S.A.

AS A part of the program for national preparedness, Congress by Act of June 3, 1916, authorized the establishment and maintenance, in civil institutions of learning fulfilling certain requirements, of units of the Reserve Officers' Training Corps, so that in time of national emergency there might be a sufficient number of educated men, trained in military science and tactics, to officer and lead intelligently the large armies upon which the safety of the country would depend. Under the provisions of this Act the President of the United States has established an infantry unit, senior division, of the Reserve Officers' Training Corps in the College and has detailed a regular army officer to serve here as Professor of Military Science and Tactics, another officer and a noncommissioned officer to serve as his assistants. In order to encourage students to enter the corps this Act of Congress makes very liberal provisions, furnishing the members free of charge all the

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needed equipment in arms, ammunition, uniforms, and, in the case of those taking the advanced course, additional uniforms, training camp expenses, and an allowance in cash for subsistence.

The work includes lectures and class room work, as well as Military Drill and target practice. A course of lectures on Military History, including two lectures on the Battle of Gettysburg, is given each year to members of the Senior Class. These lectures are open to all students.

The mental as well as the physical benefits which a student may derive from this course are obvious; and it supplies in the most approved form that element of training in discipline and obedience to authority which has been largely lacking in the educational system of our country. There is a great demand thruout the country for teachers of high school grades who are able to give military instruction.

The Reserve Officers' Training Corps should not be considered solely on the basis of the personal benefits derived in college and its value in semester hours toward a diploma. The nation has in its wise policy selected this means of preparing and securing its officers for a future emergency. The man who neglects this opportunity to prepare will find, in future years, no door open to a commission as an officer in the Reserve Army which is our national defense.

A course, if elected, must be completed, but other than this it involves no compulsory military obligations.

The course in Military Science and Tactics is divided into two parts, each one requiring two years of work.

Basic Course

Any student electing this course must devote an average of at least three hours per week for two successive years to the work required (First Year and Second Year).

Advanced Course

When any member of the Reserve Officers' Training Corps has completed (here or elsewhere) the first two academic years of

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service, and has been recommended for further military training by the President of the College and the Professor of Military Science and Tactics, he will be furnished by the U. S. Government commutation of subsistence, an allowance of thirty cents per day, extending thru and including the summer recess between the third and fourth years. A student electing to take this advanced course will be required to devote an average of at least five hours per week to the work during the remainder of his college course (Third Year and Fourth Year). He must also attend the training camp prescribed by the Secretary of War between the third and fourth years, his transportation to and from this camp, clothing and subsistence while there, and pay at the rate of seventy cents per day, being furnished by the U. S. Government.

Outline of Courses in Military Science and Tactics

BASIC COURSE

[[*First Year*]]

Mil. Sci. 1 and 2

1. An introduction to Military Science and Tactics including: Military Courtesy and Discipline; Physical Training, to develop proper carriage and posture; The National Defense Act and the Reserve Officers' Training Corps; Command and Leadership—instruction of the Soldier, Squad and Platoon; Rifle Marksmanship; Hygiene and First Aid.
2. Map Reading; Obligations of Citizenship; Organization; Military History; Individual Infantry Equipment; Combat Principles of the Squad and Section; Command and Leadership—instruction in the Rifle Company, Ceremonies and Inspections.

Three periods thruout the year. No credits allowed.

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Class work	Sec. 1, M. 2	Drill	} Tu. Th. 7:45
	Sec. 2, Tu. 2	for	
	Sec. 3, W. 2	all	

[[Second Year]]

Mil. Sci. 3 and 4

3. Scouting and Patrolling; Military History; Musketry; Command and Leadership—same as outlined in 1 and 2 above (students performing the duties of Squad Leaders).
4. Automatic Rifle; Command and Leadership (students performing the duties of Squad Leaders); Combat Principles of the Rifle Squad.

Three periods thruout the year. No credits allowed.

Prerequisite: Courses 1 and 2.

Class work	Sec. 1, M. 9	Drill	} Tu. Th. 7:45
	Sec. 2, Tu. 2	for	
	Sec. 3, W. 9	all	

ADVANCED COURSE

[[First Year]]

Mil. Sci. 5 and 6

5. Aerial Photographs; Infantry Weapons (Machine Gun, the 37-mm Gun and 3-inch Trench Mortar); Command and Leadership (students performing the duties of Section Leaders).
6. Field Fortifications; Combat Principles (the Rifle, Machine Gun and Howitzer Company Section and Platoon); Command and Leadership (students performing the duties of Section Leaders).

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 4 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

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[[*Second Year*]]

Mil. Sci. 7 and 8

7. Administration; Military Law and O. R. C. Regulations; Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Military History and Policy.
8. Combat Principles (The Rifle, Howitzer, and Machine Gun Company); Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Signal Communications.

Five periods thruout the year. Credit of six semester hours. Prerequisite: Courses 1 to 6 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

No student electing one of these courses will be promoted to the next higher class, or graduated from the College, unless he has completed the work of the course for the previous year to the satisfaction of the Professor of Military Science and Tactics.

The appointments of cadet officers and noncommissioned officers for the Corps are made from members of the Junior and Senior classes and from members taking post-graduate courses, provided there is a sufficient number. It is the intention to give the student entering the advanced course the benefit of an opportunity of training in a responsible rather than in a subordinate position.

No military duties in addition to the training courses outlined are required from members of the Reserve Officers' Training Corps.

A student having completed these courses will, on graduation, receive his Reserve Officer's Commission as Second Lieutenant, issued by authority of the President of the United States.

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To those who aspire to enter the ranks of regular army officers from civil life the Reserve Officers' Training Corps at Gettysburg College offers unexcelled advantages and opportunities.

Equipment

Located as it is in the heart of the great Battlefield of Gettysburg, Gettysburg College is admirably situated for conducting courses in Military Science and Tactics. This situation is rendered doubly important when one stops to realize that this very terrain is that used for practically all theoretical instruction given in Minor Tactics all over the country. While other units of the R. O. T. C. are issued maps of this terrain for their theoretical instruction, they are compelled to work out practical problems on available local terrain, often poorly mapped. This institution enjoys the advantage of conducting its practical work on the same terrain which is studied in the text furnished by the War Department.

With the exception of textbooks and shoes, complete equipment is furnished by the Government at no cost to the student. In addition to the service rifles and pistols regularly used for drill and target work, there is on hand a complete set of special infantry weapons consisting of Browning automatic rifles, Browning machine guns, a 3-inch trench mortar, and a 37-mm gun. All these are used for both theoretical and practical instruction.

For the study of Minor Tactics, complete maps, in different scales, are furnished. These maps are all of the terrain in the immediate vicinity of Gettysburg. This collection is supplemented by a B-H Relief Map with which over one thousand combinations of terrain may be made, thus covering every possible formation of ground over which troops may be required to maneuver. A modern sand table for tactical instruction has been installed in the R. O. T. C. laboratory on the ground floor in Glatfelter Hall.

Complete files of all War Department publications are available in unit headquarters. The system of correspondence,

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filing, and property accounting is exactly the same as that used in the army. Students are thus enabled to receive a well rounded course in Administration and both see and do the practical work.

The office of the Department of Military Science and Tactics is located on the third floor, and the store rooms, armory, and indoor rifle range on the first floor of the Eddie Plank Memorial Hall. Here is stored and kept all the equipment prescribed by the War Department for the use of the Reserve Officers' Training Corps. It is sufficient for thorough instruction in all the courses outlined in this Department.

The indoor rifle range, which is seventy-two feet long and equipped with five targets, is thoroughly modern in all details. It is used by the members of the R. O. T. C. for instruction in Rifle Marksmanship and for firing matches with rifle teams of R. O. T. C. units of other colleges. It is also used by the College Rifle Club, which is affiliated with the National Rifle Association. Matches are held with the rifle clubs of other colleges thruout the year. This provides a very interesting and enjoyable recreation.

Financial Benefits of R. O. T. C. to College Men

When a student enters the unit he receives a complete uniform for his personal use during the school year, consisting of the following articles of clothing:

1 Cap and ornament	1 Pair trousers, woolen
1 Coat, woolen	1 Belt, waist
2 Shirts, flannel	2 Ornaments, collar
1 Cravat	1 Ornament, sleeve

For each additional year that he remains in the unit, he receives another complete uniform.

By completing the advanced course, in addition to the use of the uniform for four years the student receives the following from the government in cash:

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Commutation of subsistence @ 30c for 590 days . .	\$177.00
Rations in kind at camp.....	31.00
Ration allowance enroute to and from camp.....	8.00
Travel allowance @ 5c for 160 miles (average).....	8.00
Pay while in camp @ 70c for 42 days.....	29.40
<hr/>	
Total amount received in four years.....	\$253.40

Roster of Officers and N. C. O.'s of R. O. T. C. Unit

Battalion Staff

R. F. JACOBS, *Major, Battalion Commander*
W. R. FAHS, *First Lieutenant, Battalion Adjutant*

Drum and Bugle Corps

J. L. WENRICK, *Staff Sergeant, Commanding*
C. F. TRUNK, *Corporal*
C. S. CONROY, *Corporal*
D. R. STONESIFER, *Corporal*

Company Officers

Captains

COMPANY "A"	COMPANY "B"	COMPANY "C"
J. D. MAUST	C. G. HAIN	J. A. GILLESPIE

First Lieutenants

H. L. WEARY	G. H. COUPE	M. B. SHARP
R. M. HOUGHTON	J. W. WHETSTONE	E. F. KOCHENOUR

Second Lieutenants

R. S. SHANEBROOK	E. I. LEBER	H. S. STERLING
	R. PETERMAN	

First Sergeants

H. S. STARE	E. J. NOWICKI	C. N. KULMAN
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Sergeants

COMPANY "A"	COMPANY "B"	COMPANY "C"
C. H. BOMBERGER	E. F. LARSON	S. MESSINGER
D. B. DUNLEVEY	N. B. SPENGLER	F. W. ECHELMAYER
W. H. KADEL	A. J. LANGE	G. E. BROWN
R. F. McCLURE	D. R. POOLE	O. W. HARTMAN
M. F. R. LOWER	B. J. ROBERTS	R. S. NAGLE
R. J. QUICK		

Corporals

L. S. WEAVER	L. E. BARRON	A. W. McILHENNY
W. KRUMWIEDE	J. R. CHILDS	P. CORRELL
J. H. RILEY	H. A. DUNKELBERGER	W. V. SNYDER
H. G. HORNER	A. C. TILLEY	R. W. LATSHAW
W. S. ULRICH	P. L. FREY	C. PRESTON
F. HOKE	E. BERGSTRESSER	W. W. COBLE
K. RICHTER	H. SCHLUDERBERG	J. G. SCHMIDT
P. ASKOUNIS	S. R. SERENA	

SUMMER SCHOOL

DURING the past few years there has been a demand for summer courses. Much of this arises from the varied preparation furnished by the schools at which the students prepare for college. Some students wish to make up the work required to get in line with the regular candidates for graduation. A number of teachers likewise wish to pursue courses in line with their profession. The present program of advancement in the certification requirements of the State has greatly increased this demand.

In view of these needs the Board of Trustees has authorized a summer session. The school is in charge of the College Faculty and the credits are entered on the College records just as if acquired during the academic year. All students are required to register on June 18. Regular class work will begin on June 19. The session will close on August 1. A sixty-minute period

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daily will be the equivalent of two semester hours; a ninety-minute period daily will be the equivalent of three semester hours.

All new students will be charged an enrollment fee of five dollars. Tuition at the rate of ten dollars per semester hour credit will be required of all students.

The administration of the summer school has been placed in the hands of the Faculty members participating in it. The Faculty has appointed the following executive committee: Professor John B. Zinn, Director; Professor F. H. Clutz, Professor F. H. Kramer, and Professor R. Fortenbaugh.

Further information and the regular Summer School Bulletin may be had on request from Professor John B. Zinn, Director of the Summer School, Gettysburg College, Gettysburg, Pa.

GENERAL INFORMATION

HE College aims to develop the greatest possible individuality and the highest manhood of the student. The prevailing influences are such as tend to lead young men to an active Christian life and to a full realization of their personal responsibilities. The immediate supervision of the students is in the hands of the President, the Dean, and the Advisers.

Student Council

The Faculty, without lessening its authority and responsibility, has delegated to the student body certain duties in self-government. The students act through a Student Council consisting of four Seniors, three Juniors, two Sophomores, and one Freshman, elected by their respective classes. This Council acts in certain matters of discipline and in matters concerning the general welfare of the student body, and is a medium of communication between the students and the Faculty.

Terms and Vacations

The college year of thirty-five weeks is divided into two semesters. The first semester begins at 11 A. M. on the third Thursday in September and continues, with recesses at Thanksgiving and Christmas, to the end of January; the second semester begins immediately thereafter and continues, with an Easter recess, to Commencement Day, the second Monday of June. The closing days of each semester are devoted to examinations.

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Freshman Week begins at 9:00 A. M. on the Monday preceding the official opening of the college year and closes on the following Friday.

Church Attendance

Gettysburg College believes that regular church attendance is an essential part of the life of any young man. This is particularly true when the student is away from the incentives and restraints of the home. Gettysburg College strongly urges the importance of attending church services at least once a Sunday.

The churches of Gettysburg are eager to welcome the students of the college to their services.

Rules Governing Class and Chapel Absences

The supervision and discipline of student absences are vested in a *Committee on Absences* composed of the Dean, who is ex-officio chairman, and two other members of the Faculty appointed by the President.

When a student registers at Gettysburg College he enters into an agreement to attend every class exercise unless unavoidably detained.

Each instructor shall make a daily report of student absences to the office of the Dean.

A total of one week's absences, those due to prolonged illness and authorized trips excepted, is allowed in each course to take care of necessary absences. Absences above this allowance may be excused by the *Committee on Absences* if the absences within the allowance have been used for reasons satisfactory to the *Committee*. Otherwise they will remain unexcused.

Any student whose general attitude toward his work is, in the judgment of the instructor, unsatisfactory may be reported to the Dean at any time for absolute cut probation in the course.

Any student whose average grade is B will be allowed double this number of absences; this ruling to take effect the semester

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following the one in which the above average was reached. If, however, he is deficient in any subject at the following mid-semester, this privilege is automatically taken away.

Each unexcused absence in excess of the allowance will be penalized by the addition of one hour's credit to the graduation requirement. However, when the number of absences in any course shall aggregate a total of twice the number of hours per week, those due to prolonged illness and authorized trips excepted, the student shall be dropped from the course with an F and the above penalties rescinded.

Absence from any scheduled class on the day before any holiday or vacation or on the day following any holiday or vacation will be penalized by the addition of one credit hour to the graduation requirement, unless previously excused by the *Committee on Absences*.

Students are required to attend a chapel service, Monday to Friday inclusive, at 8:40 A. M. in Brua Chapel. After ten absences in any semester the student is warned; after fifteen absences one hour's credit is added to his requirement for graduation; if he is absent twenty times his case is referred to the *Committee on Discipline*.

A detailed statement of the rules governing absences may be secured in the office of the Dean.

Examinations

Examinations are held in all subjects at the close of each semester or when, during the semester, a subject is completed. Instructors may hold topical or quiz examinations at the time of any of the regular appointments with the class. Absences from these examinations are governed by the rules given above.

Conditions and Deficiencies

No credit is given for a subject reported as E, F, or "Inc," and such a grade remains a deficiency until removed. An "Inc" may be removed by the completion of the work within

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one year from the time when it is incurred; at the end of that time an unsatisfied "Inc" becomes an F, unless the Faculty shall, because of the student's sickness or for an equally good reason, extend the time for removing the "Inc." An F can be removed only by repeating the semester's work in the subject and the student is held responsible for repeating this subject the next time it is offered. An F in a course for the first semester does not debar a student from the course during the second semester, unless the latter is dependent on the work of the first semester. An E means that the student is entitled to one re-examination within one semester at such a time as the head of the department, in consultation with the Dean, shall appoint, but not within ten days from the time of the original examination. The department shall report the result of any such examination with the grade D if passed, F if failed. The student will be notified by the Dean as to the time and place of the examination, and if he fails to report will receive the grade F.

Before a re-examination may be taken the student must pay to the Dean a fee of three dollars and present to the instructor the Dean's permit to take the re-examination. No student will be allowed to graduate who has an F on his record. One E shall not prevent a student from graduating, provided he has credit for all the prescribed work and all the semester hours required for the given degree, including extra hours imposed for reasons of discipline.

Probation

A. If, in the judgment of an instructor, a student is in any way endangering his scholastic standing, the instructor shall notify the Dean that the student is deficient and on probation in that particular course. At the end of two weeks the head of the department shall notify the Dean whether

- (a) The probation is continued,
- (b) The probation is removed, or

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(c) The student is dropped from the course with the grade of F.

(Notice of (b) may be given before the end of two weeks.)

B. A student is placed on General Probation

(a) If he has not earned twenty-four semester hours during his two previous semesters.

(b) In the case of a Freshman, if he has not earned twelve semester hours during his first semester in College.

(c) If he is not doing passing work in at least twelve semester hours of work during the current semester.

(d) If he is deficient under the Quality Point system.

(e) If, at any time, the general quality of his work indicates that his graduation is questionable.

General Probation involves:

(a) Ineligibility to represent the college in any way.

(b) The issuance of a warning to parent or guardian, and of a notice to the student, the directors of college organizations, and the Faculty.

General Probation is effective the Monday following reports from instructors indicating that the student is doing passing work in less than twelve semester hours credit work. It can not be removed before the expiration of one week. It is removed the Monday following reports showing passing work in at least twelve semester hours.

Quality Point System

Quality points are allowed according to grade as follows:

For each semester hour with grade of A, three quality points; B, two; C, one; D, none; E, minus one; F, minus two.

In general, students are considered deficient and may be required to withdraw from College when they fail to meet the minimum requirements as follows:

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1. A minimum of nine quality points at the end of the Freshman year; thirty-three at the end of the Sophomore year; seventy-five at the end of the Junior year.

2. A minimum of three quality points in any semester (first semester of the Freshman year excepted.)

3. A student who has been reinstated and failed a second time under the above regulations will be required to withdraw from college permanently.

4. In order to graduate a student must have quality points equal to the number of semester hours required for graduation in his case.

Reinstatement

A student dismissed from college for *any cause* may not be reinstated except by petition to the Faculty. Such petitions will be considered on their own merits and *in no case* will a student be readmitted during the semester immediately following the one in which the penalty was incurred. A student dismissed for misdemeanor loses all credit for work done during the semester. In any case of reinstatement the student will be on general probation for one year.

Honors

The following honors are awarded at the close of each year.

FINAL HONORS are awarded to members of the graduating class who meet the following conditions:

General Final Highest Honors to those students who have maintained thruout their four years the grade of A in all of their studies.

General Final Honors to those students who have maintained the grade of A in at least half of the work of their four college years and have not fallen below the grade of B in their studies of the Junior and Senior years.

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Students entering at the beginning of the Sophomore year will be awarded the same honors if for three years they meet the above requirements as to grade.

DEPARTMENTAL FINAL HONORS. If the head of any department recommends a student who has completed the requirements for a major in that department as having shown special excellence in that work, the student shall be awarded Final Honors in that department, provided he does not have a grade below B in more than twelve semester hours of work in other departments.

CLASS HONORS for Freshman, Sophomore, Junior, and Senior years. *Highest Class Honors* for the designated year will be awarded to those members of these classes who have maintained the grade of A in all their studies thruout the year. *Class Honors* for any particular year are awarded to those members of the class who have maintained the grade of A in at least half of the work of the year and do not have a grade below B in any of their studies for the year.

These awards are announced at Commencement and published in the next Catalog number of the BULLETIN.

Stuckenberg Lectureship

Mrs. Mary G. Stuckenberg has given a fund of \$1,000 for the establishment of a Lectureship in Sociology in honor of her late husband, J. H. W. Stuckenberg, D.D., LL.D., by the terms of which the College will have annually a lecture on some phase of Sociology from the Standpoint of Christian Ethics by specialists in this important field. The lecture is given at such time as is convenient to the lecturer chosen for the year.

Bell Lectureship

A fund of \$2,100 from the estate of the late Rev. Peter G. Bell, ex-'60, has been received by the college for the establishment of a Lectureship on the Claims of the Gospel Ministry on College Men. The main object of this foundation is "to keep before the

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students of the College the demand for men for the Christian ministry and the conditions of the age qualifying that demand."

College Lecture Course

The College Board of Trustees annually appropriates money sufficient to secure a number of the best scholars and speakers in the country to deliver lectures, one of which is given each month on a literary or scientific topic. Some are illustrated, and all are free to the students and to the general public.

Phi Beta Kappa

A charter for a chapter of the Phi Beta Kappa honor society was granted to Gettysburg College in September 1922, and the chapter, known as the Iota Chapter of Pennsylvania, was organized January 11, 1923. The chapter elects into its membership during the first semester of each year not more than three members of the Senior class and during the second semester a number from the Senior class not exceeding fifteen per cent of the whole class and not more than twenty-five per cent of the number of candidates for the degree of A.B. The selection from the class is made from those having the highest scholastic standing. Only those are eligible for election who in addition to good moral character and a high scholarship record have satisfied all the requirements for the A.B. degree and have taken in residence at Gettysburg College three-fourths of their work. No one is eligible who has not shown evidence of broad general culture. In making the selection of members, rank in class, literary and similar college activities, qualities of leadership, and promise of usefulness are taken into consideration.

The Phi Beta Kappa Society, which was founded at William and Mary College, December 5, 1776, stands for the highest ideals of scholarship, and embodies the spirit which is historically that of the American College—that of liberal education as distinguished from professional or technical training; and in its elections to membership recognizes those students

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who give the greatest evidence of devotion to these ideals, imposing upon them the duty of carrying them and the ideals of integrity, honor, and usefulness into the common life of humanity outside the school. In those colleges and universities where chapters exist, election to Phi Beta Kappa is considered the first of all honors.

Kappa Phi Kappa

Gettysburg Epsilon Chapter of Kappa Phi Kappa, the national undergraduate fraternity for students in Education, was installed December 18, 1922. Seniors, Juniors, graduate students, and alumni are eligible for membership, which is limited to those definitely interested in the field of Education. Scholarship and leadership are necessary qualifications.

Tau Kappa Alpha

A chapter of Tau Kappa Alpha, an honorary forensic fraternity founded at Butler College in 1908, was installed at Gettysburg College in 1917. The purpose of the fraternity is "to recognize excellence in public speaking and to develop and promote interests in oratory and debate among the students of colleges and universities."

Membership is limited to those members of the undergraduate body who have participated in intercollegiate forensic activities, and graduate members who have contributed in an outstanding manner to the general advance of forensics. Invitation to membership, at Gettysburg, usually comes during the upper class years, and as a result of meritorious service in the forensic activities of the college.

The key of Tau Kappa Alpha represents superior attainment as a public speaker, and is much desired by those students taking part in the forensic activities of the college.

Beta Beta Beta

This is a national honorary fraternity for undergraduate students in Biology. Rho chapter is located at Gettysburg College. It was established in 1928.

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Sceptical Chymists

The Sceptical Chymists is an organization of chemistry majors and others interested in Chemistry. It is the purpose of the club to train its members in public speaking and to acquaint them with the newer developments in Chemistry. Meetings are held every two weeks thruout the year. The regular program is varied at times by the introduction of motion pictures and by addresses delivered by guest speakers.

Eta Sigma Phi

Eta Sigma Phi is the national undergraduate honorary fraternity of classical students. Alpha Pi chapter was installed at Gettysburg on May 29, 1931. Prior to that time the classical students of the college were organized as the Philhellenic Society. Eta Sigma Phi purposes to promote interests in classical studies, the history, art and literature of ancient Greece and Rome, and also to promote closer fraternal relationship among classical students. Membership is limited to upperclassmen having a serious interest in such studies.

Phi Sigma Iota

The Tau chapter of the Phi Sigma Iota Honor Romance Language Society was installed at Gettysburg College in 1931. The chapter elects into its membership those undergraduate students who have obtained honors in French and Spanish. The purpose of this national organization is "to recognize outstanding ability and attainments in Romance languages and literatures, and to promote a sentiment of amity between our own nation and the nations using these languages."

Scabbard and Blade

A chapter of the national honorary military fraternity, Scabbard and Blade, founded at the University of Wisconsin in 1905, was installed at Gettysburg College February 17, 1922, as E Company, Third Regiment, of Scabbard and Blade.

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This fraternity, composed of the commissioned cadet officers of the Reserve Officers' Training Corps, was organized to promote a general intimacy between the military departments of the various universities and colleges, to develop the essential qualities in officers, to educate men in the military affairs of the country, and to spread intelligent information as to the military requirements of the country. At the present time the fraternity comprises seventy-eight companies including 13,500 members.

To be eligible for membership in Scabbard and Blade, a student must, aside from being a commissioned officer in the cadet corps, show evidence of high moral and broad general culture, preserve a high scholastic average, and take an active interest in campus affairs. U. S. Army officers and members of the college faculty may be elected as associate or honorary members.

Scabbard and Blade is an honorary military fraternity. Each year two prizes for efficiency in Military Science are awarded by the society:—an engraved saber to the student ranking highest in the advanced course; a smaller prize to the student ranking highest in the basic course. At the annual competitive drill of the R. O. T. C. a large trophy cup is presented to the company displaying the greatest proficiency in close-order drill and maneuvers. Various social functions are also sponsored by the fraternity:—the annual Military Ball; cabin parties and hikes in the mountains when new members are initiated and instructed; banquets at which visiting officers are entertained and given opportunity to speak to the members; and a Senior Farewell Camp in June of each year.

At the summer training camps Scabbard and Blade men from schools over the entire country meet and organize provisional companies for the duration of the camp. In these companies ideas are exchanged and courses of work for the coming year are mapped out. Also, a very close relationship between students and the Regular Army officers, many of whom are members of the society, is maintained.

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To be elected to membership in Scabbard and Blade is the highest honor a military student may be accorded, and one well worth striving for. Here it is that the ideals and honor necessary to true citizenship are encouraged and developed.

Prizes

MUHLENBERG FRESHMAN PRIZE—The interest of a fund of \$500, contributed by F. A. Muhlenberg, D.D., LL.D., a former professor in this College, is given at the close of each year to that member of the Freshman class in the Classical Course who is found to have attained the highest grade of scholarship.

BAUM MATHEMATICAL PRIZE—Charles Baum, M.D., Ph.D., Class of 1874, of Philadelphia, has contributed \$500, the income from which is to be given annually to that member of the Sophomore class who shows the greatest proficiency in Mathematics.

HASSLER LATIN PRIZE—Mr. Charles W. Hassler has furnished a fund of \$500, the interest of which is annually awarded to that student of the Junior class who, at the end of the year, shall be rated as the best Latin scholar.

GRAEFF PRIZE—This prize was founded by Mr. John E. Graeff, Class of 1843. The interest of a fund of \$500 is awarded for the best English essay from a member of the Senior class, on a subject previously assigned. The decision is made by a committee appointed by the Professor of English.

PRIZES IN DEBATE—The College provides prizes for the encouragement of skill in debating. The first contest takes place about the middle of November between teams chosen by the Sophomore and Freshman classes. The second contest, between teams chosen from the Junior and Senior classes, takes place about the last of November. The third contest, between the first and second victors, takes place about the first of December.

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ELINORE TAYLOR BREWER GREEK PRIZE—The Class of 1883 has contributed the sum of \$500, the income from which is annually awarded as a prize to that member of the Sophomore class who has done the best work in the regular Sophomore Greek Course.

SAMUEL GARVER LATIN PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Latin during his Freshman year.

SAMUEL GARVER GREEK PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Greek during his Freshman year.

MILITARY MEMORIAL PRIZE—The Alumni and friends of Gettysburg College have contributed a fund of \$500, the interest on which is to be awarded annually to the student who has attained the highest standing in either the first or second year of the Advanced Course as a member of the Reserve Officers' Training Corps.

THE EDWIN AND LEANDER M. ZIMMERMAN SENIOR PRIZE—The interest on a fund of \$1,000 contributed by Doctors Edwin and Leander M. Zimmerman is given at the close of each year to that member of the Senior class whose Christian character, class standing, and student influence cause him to be selected as the member of the Senior class who has contributed most to the upbuilding of Gettysburg College.

STINE CHEMISTRY PRIZE—The income from a fund of \$1,000 established by Mr. Charles M. A. Stine, Ph.D., Sc.D., of Wilmington, Del., Class of 1901, is awarded annually, at the end of the Senior year, to a student majoring in Chemistry.

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The winner of the prize is chosen on the basis of his Chemistry grades, laboratory technique, personality, general improvement in four years, and ability to handle the subject at the time of his selection.

No student shall be eligible for any honor or prize unless he has had at Gettysburg College all the work required for the year or years for which the honor or prize is awarded, unless substitutions shall be approved, at the time of award, by special Faculty action.

Scholarships and Aids for Students

STINE SCHOLARSHIPS—Chas. M. A. Stine, Ph.D., Sc.D., of Wilmington, Del., Class of 1901, has established an endowment fund which makes available three one-hundred-dollar loan scholarships, known as the Milton H. Stine Scholarships. These scholarships are awarded each year to young men preparing for the Gospel Ministry. Dr. Stine established these scholarships in honor of his father and mother.

BLOUGH SCHOLARSHIPS—Burton F. Blough, of Harrisburg, Pa., a member of the Board of Trustees, has established a scholarship endowment fund yielding three one-hundred-dollar loan scholarships. These scholarships are available on a loan basis to worthy students.

WELLINGTON SCHOLARSHIP—The interest on a fund of \$5,000, bequeathed by Senator George L. Wellington, of Cumberland, Md., is available each year toward the payment of the tuition of a deserving student.

BOARD OF TRUSTEES SCHOLARSHIPS—Endowed scholarships worth thirty dollars each and a limited number of scholarships worth fifty dollars each are awarded annually to deserving students by the Finance Committee of the Board of Trustees. All applications for these scholarships must be made in writing and must state in full the reasons for the request. Such applications must be handed to the President before October 1 of the college year.

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KIRSCHNER SCHOLARSHIPS—Mr. and Mrs. C. J. Kirschner, of Hazleton, Pa., have established a scholarship endowment fund of \$10,000 to perpetuate the memory of their son, Alvan Ray Kirschner, who lost his life in the World War. The income from this fund is divided into two scholarships which are awarded to students under certain conditions which give preference to those from Hazleton and vicinity. Applications for the use of these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

ALUMNI LOYALTY FUND LOAN SCHOLARSHIPS—A number of scholarships have been established by contributions received through the Alumni Loyalty Fund. Application for these scholarships must be handed to the President not later than the first of June.

MILLER-DEWEY EDUCATION FUND—The income from a fund of \$10,000 established by the late Rev. Adam B. Miller, A.M., a member of the Class of 1873, is annually available for the purpose of aiding deserving persons in obtaining an education at Gettysburg College. The graduates of Loysville Orphans Home have the first claim on these scholarships.

BATEMAN SCHOLARSHIP—The Rev. Sydney E. Bateman, M.D., Class of 1887, has established a scholarship fund of \$500, the income from which is awarded each year to a needy student preparing for the ministry. Applications for this scholarship must be handed to the President before October 1 of the college year.

PARENT EDUCATION SOCIETY SCHOLARSHIPS—The Parent Education Society controls eleven scholarships, worth thirty dollars each, which are open to young men preparing for the Lutheran Ministry.

Every student joining the college unit of the Reserve Officers' Training Corps (R. O. T. C.) receives substantial financial benefits. As outlined in detail on page 100 every member of the

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R. O. T. C. receives during his college course four complete uniforms (each including cap and shirt) valued at \$200. The cash paid direct to the student by the War Department for allowances for board, pay, and traveling expenses is \$253.40. Hence the total financial benefit to each student during his college course amounts to \$453.40. As this military course, itself of educational value, can be pursued without interfering with the required studies in any course, it should not only be attractive to all students, but should make a special appeal to those who are in need of financial assistance.

Several other thirty dollar scholarships have been endowed and are controlled by congregations, synods, and individuals. The Gettysburg School Board controls a fifty dollar scholarship established by C. W. Thompson, Esq., of Lebanon, Pa. The authorizations from those controlling these scholarships must be handed to the President before October 1 of the college year.

The children of clergymen are each annually awarded a scholarship amounting to one-half of the Tuition and General Fees, that is, \$150, on application to the President before October 1 of the college year. Beneficiaries of synodical aid pay \$250 per annum.

A considerable number of students are given part-time employment by the college in such positions as those of laboratory assistants, dormitory proctors, chapel pianist and chapel chorister, assistants in the offices of the Dean, the Registrar, and the Athletic Department. Others are employed in the Library, and in caring for classrooms, laboratories, and athletic equipment. Unless other compensation is stipulated, thirty-five cents an hour is allowed for these services.

The above student appointments are made by the Faculty; applications for such positions must be made in writing on a form provided for that purpose by the Dean and must be filed with him before May 1 of the preceding college year.

Any student wishing to engage in business or to undertake employment during term time is required to obtain permission from the President. Any violation of this rule is regarded as a misdemeanor.

Treasurer's Bills

The bills of the College Treasurer are made out for each semester and include half of each item for the college year. The bill for tuition, room rent, electric light, student chest, and laboratory or engineering fees, must be paid in advance at the beginning of each semester.

No student will be graduated until all financial obligations to the College and for class publications and other student interests have been discharged, except when a student has registered a timely protest with the Faculty and the claim for relief has been allowed. Certification of college work or statement of honorable dismissal will not be made until these financial obligations have been met.

College Fees

A Registration Fee of five dollars is required of all students on entering the College for the first time and is payable to the Registrar. For the regulations in regard to registration see page 20.

The annual charge for tuition is \$300 and may be paid in two installments, \$150 being due at the beginning of each semester. This charge is made for instruction; lectures, upkeep and use of grounds and buildings (does not include dormitory room rent); use of library, reading rooms, gymnasium and swimming pool; health and sanitation service. Every student is, however, required to pay a gymnasium locker fee of one dollar per semester during the Freshman and Sophomore years.

Students are required to pay an athletic fee of ten dollars. This fee admits to all athletic contests played in Gettysburg. It may be paid in two installments, five dollars being due at the beginning of each semester.

Each student pays a fee of ten dollars to be applied by the College Treasurer to the Student Chest Fund for distribution to the various student organizations.

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Any student pursuing studies which total less than ten semester hours must pay ten dollars Tuition and General Fee per semester hour.

Laboratory Fees

	1st. sem.	2nd. sem.	Breakage deposit per sem.
Biology 1, 2, 3, 4, 5.....	\$ 8.00	\$ 8.00	
Biology 6.....	2.50	2.50	
Biology 8.....	8.00		
Biology 11.....	7.50	7.50	
Chemistry 1.....	10.00	10.00	\$3.00
Chemistry 2, 4.....	10.00	10.00	5.00
Chemistry 3.....	10.00	10.00	7.00
Chemistry 5.....	10.00	10.00	
Education 11.....	10.00		
Engineering CE-A.....	5.00		
Engineering 6.....	7.50		
Engineering 7.....	5.00	
Engineering 12, 13, 31, 32, 47....	5.00	5.00	
Engineering 39.....	2.50	2.50	
Physics 1, 3.....	7.50	7.50	

In addition to these fees a charge is made for apparatus broken or not returned in good condition.

Boarding

The College does not maintain a dining hall. The students receive board in clubs and with private families at a cost of from five to six dollars per week.

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Estimated Cost of a Year in College

The expenses of a college student depend largely on the training and habits of the individual. To aid the student rooming in a College dormitory to calculate the probable cost of a year in college at Gettysburg the following estimates are submitted:

(A) ITEMS ON COLLEGE BILL

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition and General Fees.....	\$300.00	\$300.00	\$300.00
Room rent and heat (half dormitory room).....	17.00	30.00	50.00
Electric light (one lamp).....	10.00	10.00	10.00
Athletic Fee.....	10.00	10.00	10.00
Student Chest.....	10.00	10.00	10.00
<hr/>			
Payable to College.....	\$347.00	\$360.00	\$380.00

(B) OTHER EXPENSES

Board for 35 weeks.....	\$175.00	\$192.50	\$210.00
Laundry.....	25.00	30.00	35.00
Books and stationery.....	25.00	30.00	35.00
<hr/>			
Estimated cost for college year	\$572.00	\$612.50	\$660.00

To the preceding should be added laboratory or engineering fees in case the student takes courses involving such charges. The cost of furniture and clothing, railway fare, and other personal expenses is not included.

College Dormitories

The following rules govern the assignment of dormitory rooms in Pennsylvania Hall and McKnight Hall.

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Non-resident students are required to room in the college dormitories unless excused by the Dean. Non-resident students rooming outside the dormitories will be charged \$7.50 each semester for this privilege, when dormitory accommodations are available, unless, for special reasons, this charge is remitted by the Faculty.

No reservations of rooms beyond the actual needs of the student are permitted. No student is allowed to change his room without permission, and if he is allowed to do so, must sign a new rental contract.

Guarantee and Damage Deposit.—Every student rooming in a dormitory is required to sign a contract binding him to pay the rent and to occupy the room himself throughout the year. A deposit of ten dollars must accompany the contract, this deposit to be held as a guarantee and damage fund to cover breakage or any other damage to the room during the year. On June 15, the deposit, with the damage charge determined by the appraiser deducted, is refunded to the student. In case the student fails to take the room, the full deposit will be forfeited unless the college has been notified on or before August 15.

Key Deposit.—Every student rooming in the dormitory is required to pay to the Dean a key deposit of one dollar, said deposit to be refunded upon the return of the key to the office of the Dean. All dormitory keys must be surrendered on or before June 15 of each year or the deposit is forfeited.

Reservations by Members of the Student Body.—All rooms are declared vacant May 1 of each year. On this date the reservation of rooms for the next college year begins. Students desiring to remain in the rooms that they have been occupying have that right, provided they make application and sign the rental contract at the Dean's office before May 8. After that date all rooms not reserved in this manner are open for assignment, on the days announced by the Dean, to the members of the

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several classes in the following order: Juniors, Sophomores, Freshmen. Within the respective classes the rooms are assigned in the order in which the applications are received.

Reservation by New Students.—On May 20 rooms not yet reserved are available for new students. Applications should be mailed directly to the Dean, who will make the assignments in the order in which the applications are received. The application must state the type of room desired: single, double, or suite. Because of the limited number of rooms available, prospective students are urged to make their reservations in the early part of the summer.

Dormitory Room Furniture.—All rooms are furnished by the occupants. Students graduating from college or changing from one room to another usually sell their furniture to the new occupants at a fair price mutually agreed upon. This plan is regarded as highly desirable by the college authorities. The Finance Committee of the Board of Trustees has engaged a competent appraiser not directly connected with the college to determine the value of the furniture when asked to do so. When students are unable to agree on the price of the furniture in a room, this appraiser will serve as an expert to adjust the matter. Any failure to make an adjustment on the basis of the findings of the appraiser must be referred to the Dean.

Student Property.—The College disclaims all responsibility for the care or safety of any property belonging to students. With the exception of furniture, mattresses, tacked-down carpets, and window shades, any student property left in a dormitory room during the summer vacation should be securely packed in barrels or boxes distinctly marked with the owner's name and the number of his room. No property should be left in closets or bureau drawers. This is to insure against possible loss and to facilitate the cleaning of the rooms.

Students Transferring to Other Rooms for the Following Year. In order to have the dormitory rooms available for the new

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occupants, especially for the incoming Freshmen, all students signing up for new rooms for the following year are required to transfer their furniture, either to the rooms they are to occupy or into storage, on or before June 15 of that year. Both room and key deposit will be held until this transfer has taken place.

Room Rent

The charge for room rent, including steam heat, is given below for each room in the above-mentioned dormitories, and covers the period commencing the Monday before College opens in September and ending the Friday after College closes in June, with the exception of the Christmas vacation. The occupants of a room pay equal parts of the rental. Not more than two students are allowed to occupy one room or suite except in the cases of some of the larger suites. P indicates Pennsylvania Hall; McK, McKnight Hall.

\$34.00: 106, 108, 120, 122, 124, P.

\$36.00: 105, 107, 119, 121, 123, P.

\$38.00: 340, McK.

\$42.00: 103, 125, P.

\$44.00: 101, 127, P; 140, McK.

\$54.00: 111, 117, 118, P; 335, 336, 343, 344, McK.

\$56.00: 104, 126, P.

\$60.00: 240, McK.

\$62.00: 206, 208, 210, 220, 222, 224, 306, 308, 320, 322, 324, 406, 408, 410, 420, 422, 424, P; 337, 338, 341, 342, McK.

\$64.00: 205, 207, 219, 221, 223, 305, 307, 319, 321, 323, 405, 407, 419, 421, 423, P.

\$76.00: 232, 231, 245, 246, McK.

\$78.00: 204, 211, 217, 226, 304, 326, 404, 426, P.

\$82.00: 202, 203, 225, 228, 302, 303, 325, 328, 402, 403, 425, 428, P.

\$84.00: 201, 227, 301, 327, 401, 427, P.

\$100.00: 134, 146, McK.

\$104.00: 133, 137, 138, 141, 142, 145, McK.

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\$106.00: 218, 312, 318, 412, 418, P; (suites of two rooms).

\$112.00: suites 331-333, 332-334, 345-347, 346-348, McK.

\$118.00: 242-244, 241-243, 235-237, 236 and 238, McK;
(suites of two rooms).

\$120.00: 311, 317, 411, 417, P.; (suites of two rooms).


Rooms 111, 117, 118, 218, 312, 318, 411, 412, 417, 418, P, include a large study and good-sized bedroom. Odd numbers are on the south side of the building in Pennsylvania Hall and on the west side of the building in McKnight Hall.

The cost of electric light, five dollars per semester for each 40-watt Tungsten lamp or its equivalent, is charged on the regular College bills. Any damage done to a room will be charged up against the occupants. Only the Superintendent of Buildings and Grounds is allowed to change the locks on doors. The rooms must at all times be accessible to the College authorities. The occupants of a room will be held personally responsible for the order maintained in that room. Students disregarding Faculty or Student Council Dormitory Regulations will forfeit their rights as occupants. All the dormitories and student living rooms are subject to a weekly or semi-weekly sanitary inspection by the Medical Director of the College.

The Dean will be glad to furnish any additional information that may be desired about dormitory rooms as well as rooms in the homes of families living in town.

MATERIAL EQUIPMENT

Library and Reading Rooms

HE Library collection, at present numbering about fifty thousand volumes, together with a serviceable pamphlet and periodical collection, is in process of revision to meet the needs of the various departments of the college. The Dewey decimal system of book classification, now in use, is being replaced by the Library of Congress system, which is better adapted to the needs of a college library.

The appropriation for the Library is being increased constantly to meet the standards of adequate service. Generous book donations, such as the Zimmerman and Stuckenberg collections, book funds from the income of the College for the needs of each department, and a fund for the purchase of books granted by the Carnegie Corporation of New York in the fall of 1931 assure a current supply of authoritative material. The printed card catalogue, based upon bibliographic principles and arranged in dictionary order by author, title, and subject, facilitates access to the resources of the library. A reference collection of encyclopaedias, dictionaries, almanacs, atlases, and yearbooks is available for consultation. To aid instruction in the various departments, the Freshman class is taught the research use of a library.

In the fall of 1929, a new library building was opened to the students. This building, designed in the Georgian style to harmonize with the other buildings on the campus, is made of faced brick with a granite base and cast stone trim. The facade of the building is divided into three units: a large central motive is flanked by lower wings which project slightly in front of the central structure. Complete in every detail

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of its equipment, the building has a book capacity of one hundred thousand volumes and a seating capacity of three hundred readers. Provision has been made in the library for seminar rooms, stack space, reference and general reading-room needs. There are periodical reading-room facilities, a browsing room, and adequate accommodations for the library administration.

The library is open from 8:30 A. M. to 12 noon, from 1 P. M. to 5 P. M., and from 7 P. M. to 10 P. M., Monday to Friday inclusive, and from 8:30 A. M. to 12 noon Saturday. The library is closed Saturday afternoon until after the Thanksgiving recess, Saturday evening, Sunday, on such official holidays as are listed in the College catalog, and during the public lectures sponsored by the College.

To achieve the best results in administration, certain Faculty regulations are in force with which all readers are requested to comply.

Laboratories

The Biological Laboratories, on the main floor of Breidenbaugh Science Hall, consist of two large, well-lighted, communicating rooms, with an adjoining office and a lecture room. They are supplied with microscopes and all the other appliances necessary in carrying on the work of the courses outlined in the Department of Biology.

The Chemical Laboratories in Breidenbaugh Science Hall, as described on page 134, are amply equipped with all the conveniences, apparatus, and supplies required for general and analytical chemistry, including work in organic preparations, proximate analysis, examination of water, and other special subjects.

The Physical Laboratories, also in Breidenbaugh Science Hall and described on page 134, are equipped with modern and carefully selected apparatus for both elementary and advanced work and for lecture demonstrations. Alternating and direct electric currents are supplied at different points by means of a central switch-board, a motor generator, and a storage

battery. The apparatus includes a mercury diffusion pump, high grade balances, spectrometers, photometer, stereopticon, D'Arsonval galvanometers, Wheatstone bridges, potentiometers, voltmeters, standards of resistance, capacity, electromotive force, and self-induction; ammeters and voltmeters for direct and alternating currents; a complete dynamo and motor set illustrating different types of direct and alternating current machines (induction, synchronous, three-phase, etc.); an induction coil giving an 8-inch spark; high frequency coils; electric wave apparatus; telegraph and telephone outfits; and cathode ray and X-ray tubes.

Engineering Equipment

The equipment in the Engineering Departments is modern and adequate and is being augmented as necessity demands.

Instruction in mechanical drawing is given in a large room in Glatfelter Hall. The department is well equipped for the purpose and is supplied with drawings illustrating the best recent practice.

The surveying equipment serves for practice in all kinds of surveying. It includes transits, levels, plane tables, traverse boards, planimeters, level and stadia rods, tapes, and the usual hand instruments.

The facilities for materials testing include a 100,000 pound Riehle universal testing machine, with the necessary measuring instruments for the determination of the physical properties of steel, cast iron, wrought iron, timber, concrete, etc. There is also a cement laboratory, with a Riehle tensile briquette machine of 1,000 pounds capacity, and a variety of other apparatus for making all the standard physical tests of cement, sand, and mortar.

The pattern shop, located in a commodious room in the basement of Glatfelter Hall, is supplied with speed lathes and an oilstone grinder, also numerous benches and hand tools, all of the most modern type. In addition there has been provided foundry equipment of an elementary nature for illus-

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trating the fundamental principles of moulding. The College has installed a medium-sized engine lathe, a drill press, emery wheels, and numerous vises and bench tools. A portable forge with the usual collection of small tools has been added.

An Electrical Engineering laboratory has been established. There are facilities for work in both direct and alternating current phenomena. The apparatus includes several direct current motors and generators, a rotary converter, a synchronous motor, several polyphase and single phase induction motors, a number of transformers, and an assortment of direct and alternating current measuring instruments.

The Mechanical Engineering laboratory includes steam engines, a steam boiler, a gas engine, and automobile engines, together with the necessary indicators, injectors, colorimeters, and meters for making complete engine and boiler tests.

Buildings

PENNSYLVANIA HALL, erected in 1836-'38, was remodeled and improved in 1889, and again in 1925. It contains ninety rooms for students, many of them *en suite*, so that those who may wish can have separate study and sleeping rooms. The rooms are all heated by steam and lighted by electricity. On the first, second, and third floors are complete lavatories with hot and cold water.

McKNIGHT HALL, erected in 1897, is a dormitory building of three stories accommodating about fifty students. It is named in honor of Harvey W. McKnight, D.D., LL.D., Class of 1865, fourth President of the College. It is finished entirely in hard wood, heated by steam, and lighted by electricity. The first floor has eight rooms with spacious closets. These rooms may be used by one or two occupants, as preferred. On the second floor all rooms are *en suite*, each suite consisting of a study with one bedroom or two. These are also provided with closets. The third floor is divided into sixteen single rooms.

GLATFELTER HALL, erected in 1888-'89 and extensively remodeled in 1929, is used for general college purposes. It is

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named in honor of the late P. H. Glatfelter, of Spring Grove, Pa., a former trustee, who, with his family, has contributed largely to the college. A generous gift of more than \$100,000 from a friend of the College made possible the recent rebuilding of the hall. The building is fire resisting thruout, and marble, wrought iron, and terrazzo have been skillfully used in the construction of the corridors.

A unique system of departmental arrangement provides for recitation rooms on each side of the private office of the head of the department. All recitation rooms in the building are large and well lighted. The floors are of cork tile cemented over a solid base of reinforced concrete. Large new blackboards and bulletin boards have been provided for each room.

Improvements have been made in every detail of the structure. Steel has replaced much of the wood in the roof; new bearing partitions have been constructed of gypsum tile; windows have been caulked and weather-stripped to prevent leakage of air; and new doors of steel kalamein and bronze have replaced the old ones.

In addition to the improvements made in the building itself, others have been made in the nature of its equipment. Movable chairs of the writing-arm type are used in all classrooms, rest rooms have been provided, and new lighting and heating fixtures have been installed. These improvements have made Glatfelter Hall one of the finest and most complete recitation halls in the state of Pennsylvania.

The first floor is occupied by the offices of the College Administration and by the Mathematics, Philosophy, and German Departments. The Departments of English, History, Latin, Greek, Romance Languages, and English Bible have their headquarters on the second floor. The Departments of Political Science and Economics, Education, and Engineering are on the third floor. In the basement are located the classrooms of the Department of Military Science and Tactics and the laboratories of the Engineering Departments.

BRUA MEMORIAL CHAPEL, erected in 1889-'90, is the gift of the late Col. John P. Brua, U. S. A., as a memorial to his

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parents. This building is used for daily prayers, and for Commencement exercises, lectures, and other occasions requiring a large audience room.

BREIDENBAUGH SCIENCE HALL is located north of the Robert Weidensall Y. M. C. A. building and is built of brick, colonial style. It is occupied by the Departments of Chemistry, Physics, and Biology. It contains two floors, a well lighted basement, and a large attic. The part of the building devoted to Chemistry consists of one large lecture room, with 205 seats, three smaller recitation rooms, five laboratories, two offices, a reading room, one balance room, and a stock room on each floor, with a large stock room in the basement and a preparation room adjacent to the large lecture room. About 400 students can be accommodated in the Department of Chemistry.

The part of the building devoted to the Biology Department consists of two laboratories, a lecture room, and an office, all equipped with modern furniture. The apparatus includes an autoclave, a projection lantern, microtomes, microscopes, kymographs, sterilizers, ovens, incubators, models, charts, skeletons, preserved and living material, and histological and embryological preparations necessary for a well-rounded course in Biology. To meet the increasing enrollment in the department additional apparatus is being added from year to year.

The part of the building devoted to Physics contains a large lecture room, four large laboratories, a photographic dark room, a photometer room, a store room, three apparatus rooms, a shop, and an office. The building is fitted with the most approved appliances and is well adapted to the teaching of the fundamentals of Biology, Chemistry, and Physics.

EDDIE PLANK MEMORIAL GYMNASIUM, a large and imposing structure of Georgian type, stands on the west campus as a tribute to one of the best known and best loved men who ever enrolled at Gettysburg College. It fulfills the combined functions of a gymnasium, social center, armory, and auditorium.

The lower floor is occupied by the R. O. T. C. with their rifle range and other facilities for instruction. Here also are

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locker and dressing rooms, showers, and living quarters for the caretaker. On the main floor are the offices of the Athletic Director and his assistants and the Medical Officer of the college, a memorial room, the gymnasium proper, with splendid facilities for all indoor sports, and a finely equipped stage and offices for the Owl and Nightingale Dramatic Club. On the second floor we find a balcony containing a rest room for ladies, a motion picture booth, other offices, and, at the stage end, dressing rooms and scene docks.

The building as a whole offers every opportunity for wholesome exercise and recreation. It overlooks Nixon Field on the one hand and Memorial Field on the other and is thus most conveniently located for all athletic purposes.

ROBERT WEIDENSALL Y. M. C. A. HALL is located immediately south of the Breidenbaugh Science Hall and is built of brick, colonial style. On the first floor the two main entrances, one from the east and the other from the west, admit to a large and attractive lobby and reception room. Here students meet for social intercourse and entertain visiting members of their families and friends. Adjoining these is a Ladies' Rest Room for the accommodation of women visitors. The College Reading Room, the Recreation Room, a kitchenette, and the offices of the Y. M. C. A. and Alumni Secretaries are located on this floor. On the second floor there is a commodious assembly room especially designed for prayer services and other religious meetings for students, as well as the Bible Study Room, the Mission Study Room, a Committee Room, and living quarters for the resident Y. M. C. A. Secretary. The chief feature of the basement is a swimming pool twenty feet by sixty feet for the free use of the students under careful sanitary regulations. There is also a locker room, a shower room, a room for the heating and filtering plant, and a room for the attendant. There are lavatories conveniently located on each floor. The building is named in honor of Robert Weidensall, LL.D., Class of 1860, the cost of construction having been assumed by the Woman's League of Gettysburg College.

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INFIRMARY. A well appointed Infirmary has been added to the College equipment. An eleven-room house, owned by the College, was remodeled and thoroly adapted to the care of sick students. Its arrangement is such that contagious cases are completely isolated from those of a general or non-contagious character. Painted walls and linoleum-covered floors insure quiet and sanitary conditions. The bathroom facilities are adequate and a diet kitchen with an electric stove is provided. The Infirmary has steam heat and is electrically lighted. An electric annunciator in the nurse's room is connected with a call button at each bed. All the wards have an abundance of natural light and are provided with the necessary cots, bedding, and furniture. An experienced resident graduate nurse has been secured and is on duty. The Medical Director of the College has general supervision.

Adequate provisions exist, therefore, to take care of cases of sickness that may occur among the students.

The Boiler House supplies the steam required for heating all the College buildings.

Besides these buildings there are on the campus the President's house, five halls erected by Greek letter societies, and two houses for janitors.

A professor's house, donated by Professor George D. Stahley, M.D., Class of 1871, has been erected on College ground, at the corner of Carlisle and Stevens Streets.

NIXON ATHLETIC FIELD, at the north end of the College grounds, covers an area of over seven acres. It affords room and facilities for all kinds of outdoor sports. To the north and east of the field more than a dozen tennis courts have been laid out for the use of the students.

MEMORIAL FIELD, just west of the Eddie Plank Memorial Gymnasium, was constructed at a cost of approximately \$25,000. It is perfectly drained and contains a steel and concrete grandstand.

GETTYSBURG • PENNSYLVANIA

Class Memorials

As testimonials of their love for their Alma Mater and substantial tokens of gratitude for what she has done for them, the classes indicated below have donated memorials to her as follows:

CLASS OF 1883—On the thirtieth anniversary of their graduation, the members of this class donated \$500 to the College, the income from which is awarded annually, under the name of the Elinore Taylor Brewer Greek Prize, to that Sophomore who does the best work in the regular Greek class.

CLASS OF 1892—On the thirty-fifth anniversary of their graduation the class of 1892 presented the memorial gateway opposite Stevens Street, north of McKnight Hall. The cost of this gateway was \$2000.

CLASS OF 1893—On the twentieth anniversary of their graduation, the members of this class presented the fine memorial gateway at the main entrance of the College campus. The approximate cost of this structure was \$1500.

CLASS OF 1899—On the fifteenth anniversary of their graduation, the members of this class presented the furnishings of the classroom for the Department of Philosophy and Education and a departmental library for that department. This equipment, costing nearly \$600, was presented as a Class Memorial to their classmate, the Rev. Jacob Hiram Straw, who died in the African mission field.

CLASS OF 1902—This class presented to the College a concrete walk extending from the entrance into McKnight Hall to the driveway in front.

CLASS OF 1906—This class gave a concrete walk that runs across the entire front of Pennsylvania Hall, connecting the various entrances.

CLASS OF 1907—This class paid for the wiring of all the halls and rooms of Pennsylvania Hall for electric light.

GETTYSBURG COLLEGE

CLASS OF 1912—This class erected the handsome light post in the center of the campus, with its cluster of five large electric light globes, and put down a concrete walk extending from this central point to Pennsylvania Hall, much of the actual labor being done by the members of the class.

CLASS OF 1913—The gift of this class was a concrete walk which extends from Pennsylvania Hall to Glatfelter Hall, connecting with the Gymnasium, and widening into a plaza in front of the entrance to Glatfelter Hall, with two handsome electric lamp posts on the two outer corners of the plaza. This class also put down part of the concrete walk in front of Thaddeus Stevens Hall.

CLASS OF 1914—This class gave a concrete walk which reaches from the main gateway to the center campus light, together with three walks extending to Brua Chapel.

CLASSES OF 1916 AND 1917—These two classes presented a concrete walk reaching from Thaddeus Stevens Hall to the Corner of Carlisle and Stevens Streets. All the labor of putting down this walk was done by the members of these classes.

CLASS OF 1917—On the fifteenth anniversary of their graduation, as a memorial to Edward Swoyer Breidenbaugh, Professor of Chemistry at Gettysburg College from 1874 to 1924, this class presented a handsome sundial which marks the spot where the old chemical laboratory once stood.

CLASS OF 1920—This class presented the electric light standards on the portico of Pennsylvania Hall.

CLASS OF 1921—This class paid for the concrete walk and steps extending from the main campus gateway to the Library.

CLASS OF 1922—The cases in the Robert Weidensall Y. M. C. A. Hall, containing the athletic trophies won by Gettysburg College students, were donated by this class.

CLASS OF 1928—This class paid for the concrete walk in front of the Eddie Plank Memorial Gymnasium.

STUDENTS' INTERESTS

Debating and Oratory

THE Forensic Arts are under the supervision of the Debating Council, which is composed of the varsity debating squad, the class debating teams, and the three men ranking highest in the annual oratorical contest, together with the Debating Manager and the coach. This organization arranges a schedule with a number of other colleges for contests in debate and oratory, thus giving ample opportunity for every man to prove his ability. A special duty of the Council is to arrange an extended tour every year for one of the varsity teams, thereby offering an additional advantage. A series of interclass debates is staged each year in which the winning teams of the preliminaries contend for the interclass championship. In addition to this, a junior varsity squad is kept in training, and is given the opportunity to participate in at least one intercollegiate debating contest.

The College is a member of the Pennsylvania Intercollegiate Oratorical Union, of which Franklin and Marshall, Muhlenberg, Bucknell, and Ursinus are associated members, and each year sends a representative to the annual contest. A local contest is held to select the representative. Membership in any of the debating teams is determined by a system of competitive try-outs, for which all students are eligible.

A chapter of Tau Kappa Alpha, a national fraternity whose purpose is to encourage proficiency in the Forensic Arts, is located at Gettysburg and annually elects into membership several of those participating in intercollegiate contests.

GETTYSBURG COLLEGE

College Y. M. C. A.

The Young Men's Christian Association, an organization of students and faculty, is an active agent in encouraging religious interests among the students. With the splendidly equipped Robert Weidensall Y. M. C. A. Hall, and the services of a secretary, the Association functions as a religious and social center for the entire student body. The influence of the organization is most strongly felt in its major emphasis upon personal religious work among the students on the part of the staff and the student cabinet. By promoting such activities as Bible study, religious meetings, discussion groups, spiritual retreats, and campus service, the Y. M. C. A. serves as a source of religious and moral life on the campus.

Musical Organizations

Musical activities are encouraged and supported thru the Gettysburg College Musical Association. This is a general organization, combining and supporting all the musical interests of the College. A faculty committee and representatives of the various musical organizations compose the executive committee of the Association and control all policies.

The present organization of the Association includes the College Band, the College Orchestra, and the Glee Club. For each of these organizations a capable director is provided.

The member-organizations regularly assist in furnishing music for college functions and are also frequently called upon for service off the campus. Out-of-town trips give an added inducement to participation.

Under the rules of the Association, a member of any one of the member-organizations, after a specified term of participation, is awarded suitable insignia.

A high degree of proficiency is generally exhibited by the member-organizations, and students with musical ability are urged to present themselves as candidates for membership in such organizations as they are prepared to join

GETTYSBURG · PENNSYLVANIA

Owl and Nightingale Club

The aims of this organization are to bring out the latent dramatic talent of the students in acting, scene painting, and play writing, and also to provide the college and the community with good entertainment. It is the dramatic workshop of the College.

As a part of its program to arouse interest in dramatics, this club has inaugurated a play contest, the winner of which receives twenty-five dollars in cash. The following are the rules for the contest:

1. Only bona fide undergraduate students are eligible.
2. There shall be but one act.
3. The play must be original. No translation or copyrighted play will be accepted. Short stories may be dramatized.
4. The time of the play must be the present.
5. The manuscript should not exceed forty pages.

Athletics

The various college athletic sports, football, baseball, basketball, tennis, soccer, and field sports are well organized. They are recognized as an important part of college life and receive encouragement, but under such regulations as, it is believed, will prevent them from becoming a possible source of demoralization to the student body and from interfering with the primary work of the institution. The plan under which these sports are conducted gives opportunity for and encourages every student to take part regularly in some outdoor exercise.

Participation in College Activities

Students are permitted to participate in any or all branches of athletics, unless parents or guardians have notified the Faculty to the contrary.

A student entering Gettysburg College from another college is required to be registered here for a period of one college year

GETTYSBURG COLLEGE

before he is permitted to take part in intercollegiate athletics.

Students on General Probation under the rules of the College are ineligible to represent the College in any activity. See page 109.

Student Chest

On petition from the Student Council representing the student body, the Board of Trustees adopted a system for handling fees of student organizations, known as a Student Chest. This system eliminates requests and campaigns for money by student groups and substitutes a student fee of five dollars per semester. This fee is payable to the College Treasurer at the beginning of each semester and is distributed by the Treasurer at the direction of the Student Chest Committee to the various student organizations.

Publications

The Gettysburg College Bulletin is published by the College four or more times during the year.

The Gettysburgian, under the control of the student body, is published weekly, and makes a specialty of College and alumni news.

The Y. M. C. A. Hand-Book, issued at the opening of each college year, gives valuable information and suggestions to incoming students.

The Spectrum, an annual publication of the Junior class, contains pictorial representations of the College with its various organizations and surroundings, and useful information about students and alumni.

After several years of omission, *The Mercury* has been reinstated among the College publications. Its field is that of literary expression rather than news. It is advised by the English Department and seeks to encourage the aesthetic in literary effort among the student body.

In 1929 the Alumni Office began the publication of a quarterly called *The Gettysburg Alumnus*. This publication

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is intended to enlighten the alumni on the College program. Its purpose is to bind together the alumni and their College.

All the periodicals aim at enlarging the means of communication between the College and its graduates, former students, and friends. These enterprises are cordially commended to the patronage of those interested in the welfare of the institution.

Addresses of Alumni

The College is anxious to keep in touch with its alumni and ex-students not graduates, and requests that all changes in address be sent to the Alumni Secretary.

Teachers' Placement

The College Course for Teachers is arranged to meet the requirements of the School Code of Pennsylvania, thus securing the College Provisional Certificate for the graduates of the College. See page 51. The attention of school boards, and others desiring teachers, is called to the fact that it is frequently in the power of the Faculty to recommend suitable candidates. Many graduates successfully fill important positions in public and private institutions. The College maintains a Placement Bureau for the purpose of assisting its alumni who are in the teaching profession to get in touch with vacancies, and to assist schools in finding teachers. The service is free.

The Director of the Bureau is Professor C. G. Reen.

Alumni Organizations

The Gettysburg College Alumni Association, founded in 1835, is constituted of graduates of the College and former students who were properly matriculated. It is organized to foster and promote the welfare of Gettysburg College and to maintain good fellowship among the members. While the Association meets but once each year, the governing body, the Alumni Council, meets twice annually to plan and execute organization affairs.

GETTYSBURG COLLEGE

The Association, by action of the Board of Trustees in 1876, nominates and maintains six Alumni Trustees. In addition, it maintains two members on the Athletic Council and a roster of officers sufficient to execute the purposes of the Association.

The officers of the Association are:

President

CLYDE E. GERBERICH, '13
MOUNT JOY, PA.

Vice-President

MELVILLE T. HUBER, '01.
LANSDOWNE, PA.

Recording Secretary

WILLIAM G. WEAVER, '21
GETTYSBURG, PA.

Treasurer

THE FINANCE COMMITTEE

In 1929 the office of Alumni Secretary was created, the appointee to do full time service. He is official spokesman for the Association, supervises the routine of office management, and otherwise strives to carry out the purposes of the Alumni Association.

Alumni Secretary

CHARLES W. BEACHEM, '25
GETTYSBURG, PA.

Alumni Clubs

There are Alumni clubs in several populous centers, and others in the process of organization. These clubs strive to be centers of interest for Gettysburg College in their several communities. Prospective students living in the vicinity of a club will do well to get acquainted with the club officers. Following are the active Gettysburg Alumni clubs and their chief officers:

GETTYSBURG • PENNSYLVANIA

The Altoona-Gettysburg Club

President, J. CALVIN LANG, 921 Penn Street, Hollidaysburg, Pa.

Secretary, H. L. PEGG, 706 15th Street, Altoona, Pa.

The Baltimore-Gettysburg Club

President, R. K. G. RICE, 509 First National Bank Building, Baltimore, Md.

Secretary, GEORGE S. DELO, 26 South Calvert Street, Baltimore, Md.

The Buffalo-Gettysburg Club

President, J. A. HATCH, 850 Potomac Street, Buffalo, N. Y.

Secretary, J. G. FLECK, 2 Wallace Avenue, Buffalo, N. Y.

The Cleveland-Gettysburg Club

President, D. F. LYBARGER, Court House, Cleveland, Ohio.

Secretary, J. H. L. TROUT, 15470 Triskett Road, N. W., Cleveland, Ohio.

The Harrisburg-Gettysburg Club

President, S. W. HERMAN, 121 State Street, Harrisburg, Pa.

Secretary, C. F. LEACH, Lemoyne, Pa.

The Lancaster-Gettysburg Club

President, M. C. STALLSMITH, 419 W. Orange St., Lancaster, Pa.

Secretary, Mrs. AUSTIN H. FELLENBAUM, 299 S. West End Ave., Lancaster, Pa.

The New York-Gettysburg Club

President, G. H. TRUNDLE, 100 William Street, New York, New York.

Secretary, P. D. SCHWARTZ, 60 Wall Street, New York, New York.

The Philadelphia-Gettysburg Club

President, D. MONTFORT MELCHIOR, Girard College, Philadelphia, Pa.

Secretary, JAMES P. GILLILAND, 119 S. 32nd Street, Philadelphia, Pa.

GETTYSBURG COLLEGE

The Pittsburgh-Gettysburg Club

President, M. H. FLOTO, 2307 Oliver Building, Pittsburgh, Pa.

Secretary, W. A. LOGAN, 124 Grant Street, Turtle Creek, Pa.

The Reading-Gettysburg Club

President, C. J. DIETRICH, 206 West Oley Street, Reading, Pa.

Secretary, D. J. SCHOFFSTAHL, 310 Oley Street, Reading, Pa.

The Somerset-Gettysburg Club

President, J. H. BEERITS, 128 Center Ave., Somerset, Pa.

Secretary, D. G. FLOTO, 316 Main St., Meyersdale, Pa.

The Washington-Gettysburg Club

President, A. E. TAYLOR, 1620 Fuller St., Washington, D. C.

Secretary, G. F. WALTZ, 2927 Fifth St., N. W., Washington, D. C.

The York-Gettysburg Club

President, GEORGE H. HUMMEL, Maple Press, York, Pa.

Secretary, C. W. DIEHL, JR., 17 Manheim Street, York, Pa.

Student Council 1933-'34

ROBERT F. JACOBS, '34

President

SAMUEL P. ELLENBERG, '34

Vice-president

T. P. REEDER, '35

Recording Secretary

RUSSELL S. MALONY, '34

Corresponding Secretary

HAROLD B. HALLMAN, '34

Treasurer

WILLIAM L. HENCH, '37

Messenger

GEORGE MACMILLAN, '35

C. WOODROW ZECH, '35

LLOYD E. BARRON, '36

JOHN T. RENSHAW, '36

STUDENTS IN COLLEGE

1933-'34

Senior Class

CLASS OF 1934

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Achey, Oscar	History	Manheim
Bergstresser, Kendig Wade	Greek	Hanover
Bowers, Louis Thorn	Greek	Newtown Square
Bowman, Harry Shaw	Latin	Harrisburg
Bowser, Milner Herbert	Chemistry	York
Brown, Donald Washington	Philosophy	Hanover
Calvert, Wallace Arnold	History	Philadelphia
Cavell, Angelo Ciavarella	Biology	Cincinnati, O.
Chenoweth, John Emory	History	Taneytown, Md.
Colestock, Emmert Glenn	History	New Oxford
Day, James Barr	History	Pottsville
Durding, William Walter	Mathematics	Baltimore, Md.
Everhart, Robert Eugene	English	York
Fisher, James Norman	English	Warrior's Mark
Flynn, George Noel	Political Sci.	Gettysburg
Folkemer, Paul Louis	History	Baltimore, Md.
Foster, John Carl	French	York
Gunnett, Clifford Sheffer	History	York
Hagerty, Mahlon Russel	English	Philipsburg
Hamsher, Paul Oliver	Philosophy	Mechanicsburg
Hanson, Theophilus Painter	English	Gettysburg
Haynes, Donald Clair	English	Rohrersville, Md.
King, Charles Leighton	English	Westminster, Md.
Kohr, Dale Landis	Philosophy	Middletown
Lambie, James	Philosophy	Philadelphia
Lark, George Henry	Philosophy	Hackensack, N. J.
Lawther, Wendell Carrier	Mathematics	Boswell
Leber, Eugene Irvin	Spanish	Jacobus
Livingood, John Newton Bower	Mathematics	Birdsboro
Malony, Russell Sylvester	English	Collingswood, N. J.
Metzger, Frank Raymond	History	Harrisburg
Meyer, Gerard Edwin	English	Gettysburg

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NAME	MAJOR	HOME
Moody, John Herbert	Political Sci.	Harrisburg
Peters, Robert Kleopper	Physics	Aspers
Plack, Carl Robert	Philosophy	New Cumberland
Price, John McFerren	Philosophy	Waynesboro
Reisz, Howard Frederick	English	Parkville, Md.
Restak, Lewis Joseph	Chemistry	Steelton
Riley, Jacob John	Political Sci.	Gettysburg
Robison, David Elmer	History	Berwick
Ruby, Charles Clinton	History	Hallam
Shanebrook, Richard Schwartz	Philosophy	Littlestown
Sheetz, Andrew Coleman	French	Harrisburg
Smith, Paul Heiges	English	New Freedom
Sprenkle, Charles Raffensperger	Business	Hanover
Staub, Charles Earl	German	Hazleton
Steckroth, Harold George	German	Hazleton
Sternat, Theodore Matthew	Chemistry	Millersburg
Theisz, Andrew Francis	English	Baltimore, Md.
Utz, Lester Milton	Philosophy	Hanover
Weary, Hermas Lester	English	Carlisle
Whetstone, John William	Philosophy	Waynesboro
Wolf, Charles William	English	Gettysburg
Wolf, Richard Charles	English	Bloomsburg

Candidates for the Degree of Bachelor of Science

Althaus, Charles Frederick	Chemistry	Jersey City, N. J.
Altland, Paul Daniel	Biology	York
Amspacher, Wilbur Henry	Chemistry	Glen Rock
Babylon, Thomas Cover	Political Sci.	Westminster, Md.
Barrett, Edward Earl	Business	Norristown
Bernhard, Karl Joseph	M. E.	Jobstown, N. J.
Birely, Samuel Luther	Political Sci.	Thurmont, Md.
Blackburn, Charles Raymond	Business	Philadelphia
Butterfield, Thomas Emil	M. E.	Sharon Hill
Chubb, Franklin Daugherty	Chemistry	Highspire
Coupe, George Hector	M. E.	Cadogan
Dracha, Wilmer	History	Reading
Eshenour, Ottomar Lutz	Chemistry	Harrisburg
Evans, Robert Alexander	Business	Chambersburg
Fahs, Winfield Roland	Business	York
Frasch, Herman Frederick	Chemistry	Harrisburg
Frey, Robert Burns	Chemistry	York
Gillespie, James Armand	E. E.	Arlington, N. J.

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NAME	MAJOR	HOME
Gobrecht, Ralph Wilson	Chemistry	Hanover
Goyne, Ralph Carol	Business	Ashland
Green, John Graybill	C. E.	Dauphin
Greenaway, Walter Thomas	Chemistry	Hanover
Hain, Charles George	Chemistry	Harrisburg
Hall, Allen Ramsay	Chemistry	Elizabeth, N. J.
Hall, Collins Fremont	Biology	Williamsport
Hallman, Harold Bartlett	Chemistry	Pennsburg
Hespenheide, Henry August	C. E.	York
Hess, Charles Robert	Biology	Harrisburg
Hetrick, David William	I. E.	Connellsville
Hill, William Samuel	Chemistry	Pottsville
Houghton, Russell Marsh	Chemistry	Clark
Howard, John Joseph	History	Bethlehem
Jacobs, Robert Frederick	Business	York
Jean, Archibald Knisely	Business	Harrisburg
Kitzmiller, Ivan Guyon	Business	Gettysburg
Kochenour, Earl Franklin	Chemistry	York
Lapp, Willard Hassell	Chemistry	Malvern
Maust, John Daniel	Mathematics	Gettysburg
Miller, William Homer	Chemistry	Woodstown, N. J.
Miller, Wilton Raphael	History	New Oxford
Morrill, Robert	Political Sci.	West Englewood, N. J.
Mulligan, Edward William	Biology	Red Bank, N. J.
Mumford, John David	Biology	Ellicott City, Md.
Nix, Robert Dickie	Chemistry	Cadogan
Olkewicz, Joseph John	Business	Phoenixville
Parker, John Cortland	M. E.	York
Peterman, Robert Adams	Biology	Hicksville, N. Y.
Polley, Lewis Krise	C. E.	Fairfield
Rivenburgh, Asa Reid	Chemistry	Carbondale
Rudisill, Mervin David	Chemistry	Lykens
Sharp, Martin Burke	Biology	Cumberland, Md.
Sieling, James	Business	Glen Rock
Sjoholm, George Edward	Business	Narberth
Smith, Clinton Edward	C. E.	Frederick, Md.
Smith, Rodman	English	Norwood
Stauffer, Howard Hamilton	Biology	Gettysburg
Stoner, John Wilbur	Spanish	Lemasters
Strode, John Porter	Business	Red Bank, N. J.
Tender, Isaac Joseph	Chemistry	Paulsboro, N. J.
Vanderwall, Frank Conrad	Biology	Gettysburg
Wainright, Melvin A. Rice	Biology	Shrewsbury, N. J.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Walters, George Frederick	English	Harrisburg
Witmer, Samuel Grenewald	Biology	Hanover
Woodward, Willard Paxson	Chemistry	West Chester

Junior Class

CLASS OF 1935

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Arnold, Luther Bringman	Economics	Bellefonte
Banks, Joseph Henry	Business	Llanerch
Barkley, Daniel Luther	English	Shippensburg
Barr, Lester Seymour	Biology	Linden, N. J.
Bender, William Allison	Chemistry	Chambersburg
Bers, Sol N.	Chemistry	Philadelphia
Boger, Russell	Mathematics	Reading
Bollinger, Charles Richard	History	Emmitsburg, Md.
Bomberger, Clarence Hoke	Chemistry	Palmyra
Bower, Henry Lloyd Wolf	Chemistry	Lafayette Hill
Bowlus, Richard Stanley	English	Middletown, Md.
Brazel, James	Chemistry	Newburgh, N. Y.
Brown, Guy Edward	Latin	Fairfield
Brown, William Valgean	Political Sci.	Lebanon
Bulleit, Edward Banister	Political Sci.	Gettysburg
Caldwell, Craig Franklin	History	Chambersburg
Chamberlin, Charles Abiel	German	Lebanon
Chronister, Carl Frank	Business	Harrisburg
Dean, Paul Mitchell	Economics	Hanover
Dise, Preston Wyckoff	Business	Cleveland Heights, O.
Dunlevey, David Black	History	Centralia
Eckert, Harold Eugene	Mathematics	Tyrone
Edwards, Frank Groft	Biology	Clymer
Erickson, Robert Donald	Business	New Brunswick, N. J.
Etzler, Charles Earl	Business	Hanover
Ewing, Herbert Snooks	Biology	Red Bank, N. J.
Flickinger, William Edward	History	Hanover
Foellner, Arthur	English	Ferndale
Frazier, Charles Calvin	English	Bellwood
Frey, Emerson Thomas	Philosophy	York
Garverick, Charles Stouffer	Mathematics	Somerville, N. J.
Gill, William Hayes	Economics	Harrisburg
Greenwell, Robert Ernest	Mathematics	Circleville, N. Y.

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NAME	MAJOR	HOME
Grove, Alvin Russell	Biology	Harrisburg
Guise, Richard Christian	Chemistry	R. D., Gettysburg
Guy, Leslie Seymoure	Business	Pittsburgh
Hamme, Victor Lavern	Mathematics	York
Hare, Luther Lee	Philosophy	Baltimore, Md.
Hartman, Owen Wister	Chemistry	Chambersburg
Harvey, Joseph Irvin	French	Harrisburg
Heiges, Russell Wagner	Chemistry	Harrisburg
Helsel, Frank Ernest	English	Hollidaysburg
Henry, Paul Eugene	History	Harrisburg
Hepford, Edward Wilcox	English	Harrisburg
Hill, George William	Business	Harrisburg
Hummel, Conrad Daniel	Biology	Easton
Jones, George James	Chemistry	Natalie
Jones, Henry Raymond	Philosophy	Philadelphia
Jones, Warren Ramsay	Business	Littlestown
Kadel, William Howard	English	Gettysburg
Kaufman, John Bruce	History	Pleasant Hall
Kirkpatrick, Robert William	Philosophy	Palmyra, N. J.
Kozma, Anthony Karl	History	Berwick
Kulman, Charles Nikander	Philosophy	Brooklyn, N. Y.
Lange, Austin J.	Political Sci.	Brooklyn, N. Y.
Latorre, Joseph Steve	Biology	West Pittston
Leas, John Elmer	English	York
Levengood, Charles Milton	Business	Norristown
Lindaman, Francis Charles	English	Littlestown
Lipperine, Albert Daniel	Biology	Pittston
Lower, Marion F. R.	Political Sci.	Roaring Spring
McClure, Robert Fisher	English	Harrisburg
McCullough, Robert	Economics	Gettysburg
McGinnis, Daniel R.	History	Lancaster
Macmillan, George	English	Atlantic City, N. J.
Manning, Mervin Eugene	History	Harrisburg
Meier, Harold Isaiah	History	Johnstown
Messic, Olin Miller	Business	Trenton, N. J.
Messinger, Samuel Joseph	Economics	Kingston, N. Y.
Miller, Russell Calvin	Chemistry	Harrisburg
Miller, Raymond Milton	Greek	Baltimore, Md.
Nagle, Robert Smith	History	Pottsville
Norton, William Berry	Philosophy	Baltimore, Md.
Nye, Harry Custer	Chemistry	Harrisburg
Palilonis, Paul	Chemistry	Swedesboro, N. J.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Poole, Donald Raymond	Philosophy	Baltimore, Md.
Prowell, Cleon Franklin	Latin	Harrisburg
Quick, Raymond John	Economics	Kingston, N. Y.
Reed, Jean Harper	Business	Crowl
Reeder, Taylor Praul	History	Trenton, N. J.
Richard, James Day	History	Collingdale
Ritz, Bruce LeRoy	Chemistry	Waynesboro
Roberts, Bissett Jermiah	History	Harrisburg
Runk, Robert Harold	Chemistry	Harrisburg
Schiebel, Robert Charles	History	Hanover
Schreckengast, Samuel Agison	German	Harrisburg
Schroeder, Walter Carl	English	Narrowsburg, N. Y.
Sedwick, Jesse Dwight	Chemistry	Kittanning
Seifert, Elmer Franklin	English	Hellertown
Smeal, Maurice McClellan	Philosophy	Clearfield
Snyder, Charles William	French	Seven Valleys
Spengler, Nelson Weaver	Political Sci.	Harrisburg
Stare, Herbert Stover	English	York
Stoner, Brooke Harold	English	Hanover
Stover, Henry Dean	Mathematics	Littlestown
Sullivan, Charles Austin	Greek	Hanover
Sutherland, Robert Clive	Political Sci.	Pennsgrove, N. J.
Swope, Donald McCurdy	Political Sci.	Gettysburg
Thomas, Powell Stackhouse	English	Germantown
Tracy, Stephen Edward	History	Philadelphia
Visco, John N.	Spanish	Newark, N. J.
Walker, John Robert	Chemistry	Berlin
Wallgren, Charles Watson	Chemistry	Prospect Park
Wenrich, Harry Edgar	Mathematics	Hummelstown
Wiley, Richard Thornton	Physics	Llanerch
Wise, Harry Robert	English	Harrisburg
Woods, Wayne Robert	English	Pittsburgh
Zech, Charles Woodrow	Political Sci.	York
Zech, Harry Frederick	Political Sci.	York

Candidates for the Degree of Bachelor of Science

Bell, Albert Daniel	Physics	Gettysburg
Bortner, Clyde Randall	Biology	Hanover
Callihan, Philip Russell	Mathematics	Butler
Derickson, Harry Newton	E. E.	Pine Grove
Ellenberg, Samuel Pollock	History	Philadelphia
Hoke, Francis Rowe	E. E.	Emmitsburg, Md.
Hough, John Wallis	E. E.	Racine, Wis.

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NAME	MAJOR	HOME
Larson, Eric Fredolph	M. E.	Gettysburg
McCracken, David Dalzell	M. E.	New Kensington
Nary, Blaine Edgar	E. E.	Orrtanna
Nix, William Henry	C. E.	Cadogan
Nowicki, Edward Joseph	C. E.	East Hampton, N. Y.
Smith, Robert Woodrow	C. E.	Taneytown, Md.
Sterling, Herman Sidney	Business	York
Taylor, William Wallace	Chemistry	Williamsport, Md.
Ulrich, Robert Keister	Chemistry	Highspire

Sophomore Class

CLASS OF 1936

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Allewelt, Arthur Leonard	Chemistry	Hanover
Aurand, Paul Burket	Mathematics	Tyrone
Bare, Bruce Maurice	Chemistry	Philadelphia
Barron, Lloyd Eugene	Chemistry	Harrisburg
Bender, Paul Rudisil	Chemistry	Berwick
Benner, Robert Calvin	Philosophy	Taneytown, Md.
Bergstresser, Edwin Lot	Chemistry	Hanover
Bomberger, Martin Luther	Chemistry	Lebanon
Bortner, Doyle McClean	History	Dagsboro, Del.
Bower, Dean Harold	Political Sci.	Gettysburg
Bowersox, George Edward	Philosophy	Leechburg
Bowlus, George Samuel	Mathematics	Gettysburg
Bredbenner, Joseph William	Chemistry	Berwick
Brenneman, Lavern Harvey	Economics	Seven Valleys
Bristol, William Baker	English	Germantown
Burkhart, Harold Myers	Economics	Chambersburg
Charmbury, Herbert Beecher	Chemistry	Hanover
Cico, John Adam	Chemistry	Steelton
Coble, William Wilson	History	Mercersburg
Conroy, Charles Joseph	Chemistry	Reading
Cooke, Leonard F.	English	Philadelphia
Correll, Paul Harvey	Biology	Catonsville, Md.
Culp, John Alexander	Business	Arnold
DeCarlo, Emilio	Chemistry	Whitestone, N. Y.
DeVries, Roger William	Business	Rutherford, N. J.
Donehoo, George Smith	Chemistry	Harrisburg
Dunkelberger, Harold Aberly	English	Gettysburg
Dunkelberger, John A. William	Philosophy	West Chester

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Echelmyer, Frederick William	History	Philadelphia
Eckert, Frederick John	English	Baltimore, Md.
Enich, Harold Allen	————	Melrose Park
Eriksen, Leonard Henry	Chemistry	Jersey City, N. J.
Fackler, Richard Smith	————	Harrisburg
Fehl, Alfred Preston	————	Smithsburg, Md.
Fertner, Martin Luther	Chemistry	Red Lion
Field, Jesse Waldron	Chemistry	New York, N. Y.
Fink, Richard Clay	History	Littlestown
Frazer, Edgar Kister	Business	Lemoyne
Frey, Paul Livingston	Mathematics	York
Garver, Stuart Paul	Greek	York
Gazzolo, Louis Joseph	Biology	Tarrytown, N. Y.
Graham, Julian Burns	History	East Haddon, Conn.
Greenwell, Waldron Eugene	Chemistry	Circleville, N. Y.
Gunnert, Ray Arlington	History	York
Haas, Robert Whitner	Economics	Allentown
Haer, Frederick Bence	History	Marion Center
Hake, Charles Carlton	English	Dallastown
Hall, Burton Adam	Biology	Philadelphia
Harbold, Harold Valentine	Biology	Dallastown
Heckert, George Owen	Business	York
Henry, John Robert	Mathematics	Menges Mills
Henry, Kenneth Loose	Economics	Menges Mills
Henry, Paul William	Biology	York
Justin, Frederic De Witt	History	Merion
Karmany, William Hummel	Biology	Hummelstown
Kellow, Norman Bates	History	Manoa
Krumwiede, William Carl	History	Rochester, N. Y.
Latshaw, Richard Winner	Business	Spring City
Long, Frank Mason	Business	Pennhurst
McCahan, William John	Economics	Upper Darby
McElhiney, William Roger	Business	Greensburg
McElroy, Wilbur Renfrew	Chemistry	Fayetteville
McGill, Ernest	————	Thurmont, Md.
McIlhenny, John William	English	R. D., Gettysburg
McNulty, James Edward	Business	Coalport
Martin, Samuel Manookian	Political Sci.	Pine Grove
Miller, Clarence William	English	Hazleton
Morris, Robert	Business	Reading
Musselman, Jay Ellis	Business	Fairfield
Nichols, Robert Horace	Chemistry	Hagerstown, Md.

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Ott, Albert Bergstresser	Economics	Selinsgrove
Parulis, Albert Joseph	History	Minersville
Pittenger, Emory Melvin	English	R. D., Gettysburg
Preston, Charles William	Chemistry	Baltimore, Md.
Reighter, Karl William	Chemistry	Harrisburg
Renshaw, John Travis	Political Sci.	Phoenixville
Reutter, Richard Earle	————	Narberth
Rhodes, Edgar Nevin	Mathematics	Emmitsburg, Md.
Rigby, John Kenneth	Mathematics	Johnstown
Riley, Joseph Henry	Biology	Gettysburg
Royston, Carroll William	Business	Sparrows Point, Md.
Rubin, Sidney B.	Economics	Harrisburg
Sassaman, Robert Seebold	————	Williamsport
Schluderberg, Herman Luther	Greek	Baltimore, Md.
*Serena, Samuel Robert	Biology	Staten Island, N. Y.
Shimer, Harry A.	Biology	Bedford
Shutters, Malcolm Dare	————	Washington, D. C.
Smith, Floyd Clair	Business	Riverton, N. J.
Smyser, Willis Michael	French	York
Snyder, Herbert Austin	Biology	Montgomery, W. Va.
Snyder, John Frederick	Biology	Lebanon
Snyder, William Ulrich	English	Washington, D. C.
Sobolesky, Albert Edward	History	Minersville
Starry, David Edward	English	York Springs
Stein, Gerald Bernard	Chemistry	Harrisburg
Steininger, Stuart Winford	Chemistry	Harrisburg
Stone, Edward Carleton	Business	Pittsburgh
Stonesifer, Donald Reid	English	Hanover
Thomas, James Harold	Chemistry	Harrisburg
Tilley, Arthur Charles	Business	Newton Center, Mass.
Tomlinson, William Henry	Chemistry	Swissvale
Tribley, Woodrow DeLaney	Chemistry	Clearfield
Trunk, Charles Frederick	————	Coatesville
Ulrich, William Slocum	Biology	Downingtown
Weaver, Louis Schneider	Biology	York
Wenrick, John Linford	Political Sci.	Harrisburg
Westenberger, Luke A.	Mathematics	Middletown
Witherspoon, John Marlin	English	Chambersburg
Work, Charles Robert	Business	Connellsville
Yost, Carl Elmer	English	York
Zaffiro, Felix Theodore	Biology	Reading

* Died Dec. 5, 1933

GETTYSBURG COLLEGE

Candidates for the Degree of Bachelor of Science

NAME	MAJOR	HOME
Eicholtz, John Philip	E. E.	Gettysburg
Hoover, Ralph Gulden	M. E.	Huntingdon Valley
Knorr, Paul Theodore	E. E.	Trucksville
Sahle, Knute	M. E.	York

Freshman Class

CLASS OF 1937

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Albig, Emery Earl	————	West Newton
Askounes, Pericles N.	————	Monessen
Barkley, John Wesley	————	Ligonier
Berkowitz, Lester Ivin	————	Red Bank, N. J.
Bock, Bruce Ellsworth	————	Pottsville
Bowers, George Kermit	————	Bedford
Bowers, Stewart Cole	————	New Freedom
Brinton, Stanley Ebersole	————	Harrisburg
Brown, George Edward	————	Staten Island, N. Y.
Brown, Samuel Arthur	————	Sharon
Bryson, Richard Habecker	————	Lancaster
Calhoun, Robert Jacob	————	Steelton
Campbell, James Duncan	————	Harrisburg
Childs, James Rogers	Business	Merchantville, N. J.
Chrisemer, Edgar Troeder	————	Harrisburg
Compton, William Roland	————	Bellevue
Cook, William Austin	————	Brookline
Cooper, Charles Harold	————	Lakewood, N. J.
Davis, Francis Edwin	————	Pottsville
Delo, John Charles	————	Pittsburgh
Dollman, Stephen Crawford	————	Pine Grove
Dougherty, George Gehr	————	Reading
Ecker, Sterling M.	————	Littlestown
Eckert, Mark A.	————	Gettysburg
Ehlers, Edward	————	Montclair, N. J.
Embick, William Harry	————	New Cumberland
Eshenaur, Ray Ellwood	————	Harrisburg
Etter, Charles Geyer	————	Chambersburg
Fish, John Huff	————	Paulsboro, N. J.
Fox, Morris	————	Atlantic City, N. J.
Frazee, Murray Bennet	————	Gettysburg

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Geistwhite, Donald Snyder	————	Harrisburg
Gelbert, James Edward	————	Ambler
Gilbert, Warren Best	————	Harrisburg
Gillespie, Frederick Sinclair	————	Arlington, N. J.
Gochmour, Joseph Parkes	————	Ligonier
Grant, Melvin Ellsworth	————	Dundalk, Md.
Halfpenny, William Craig	————	Harrisburg
Hamme, Robert Ellsworth	————	York
Harkins, George Frederick	————	Harrisburg
Harner, John Wilson	————	Gettysburg
Heiges, Harold Lynwood	————	Biglerville
Heighes, John William	————	Harrisburg
Hench, William Lee	————	Dallastown
Hershberger, Don LaVann	Political Sci.	Johnstown
Hershey, Philip Henry	————	Spring Grove
Hetrick, Gurney Eugene	————	Lewisberry
Heydrich, Jack Fabel	————	Lock Haven
Hoffman, Thomas Lee	————	York
Hopkins, Leonard Howard	————	Mt. Holyoke, Mass.
Horne, Robert Earle	————	Philadelphia
Horner, Harley Gifford	History	Lakewood, N. J.
Hull, Kenneth Preston	————	Gettysburg
Irwin, Shull Leonard	English	R. D., Gettysburg
Jeavons, John	————	Merion
Kanzinger, Millard Christian	————	Ardmore
Keinard, Robert W.	————	Phoenixville
Keith, John Burgoyne	————	Gettysburg
Kisor, Thaddeus William	————	Monessen
Kline, William Vardon	————	Chambersburg
Krum, Gordon Sumner	————	Grahamsville, N. Y.
Lamason, William Hamilton	————	Williamsport
Larson, John C.	————	Gettysburg
Lawley, Charles Frederick	————	Tamaqua
LeCompte, Granville Spedden	————	Cambridge, Md.
Lerch, Casper Edmund	————	Wyomissing
Lewis, Harold Wilbur	————	Hazleton
Long, Richard Norton	————	Connellsville
Lovell, Donald Root	————	Bellwood
Lumpkin, John Everett	————	Ramsey, N. J.
McCracken, Ellis Ray	————	Freeport
McIntyre, James Murray	————	West Orange, N. J.
Manges, James Henry	————	Harrisburg
Martin, George Washington	————	Cumberland, Md.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Mezger, William Jacob	————	Bywood
Minnich, John Ellsworth	————	Harrisburg
Moffitt, Elwood Norman	————	Palmyra, N. J.
Morris, Raymond Edward	————	Fairmont, W. Va.
Moyer, Thomas William A.	————	Bloomsburg
Mumford, Paul Jones	————	Ellicott City, Md.
Myers, James Harold	————	Harrisburg
Myers, J. Richard	————	Lemoyne
Norley, Walter Nelson	————	Brookline
Opperman, Harry	————	Audubon, N. J.
Pagliaro, Philip Francis	————	Philadelphia
Parkin, Edwin Harris	Business	Newton Center, Mass.
Peters, Martin Fisher	————	Phoenixville
Petrosky, Alfonso M.	————	Lansford
Powers, Clarence S.	————	York
Puma, Sam Joseph	Chemistry	Pittston
Raffensperger, Harold Emanuel	————	New Oxford
Raffensperger, Robert Kieffer	————	Biglerville
Rau, Robert Browning	————	Baltimore, Md.
Rehmeyer, Bernard S.	————	New Freedom
Reimer, William John	————	Stone Church
Reindollar, Robert McKay	————	Fairfield
Rettinger, Robert Benton	————	Lykens
Richwine, Harry Thomas	————	Harrisburg
Rines, Paul Daniel	————	Altoona
Ritter, Walter Lowrie	Business	Altoona
Rudolf, Donald Richard	————	Harrisburg
Saltzgiver, Luther Burns	————	Westminster, Md.
Sanders, Wilbur Lane	————	Woodbine
Sanner, Charles Steiner V.	————	Frederick, Md.
Savarese, Anthony Paul	————	Brooklyn, N. Y.
Schadel, Lees Malcolm	————	Philadelphia
Schnell, George Frederick	————	Harmon-on-Hudson, N. Y.
Schrader, Lloyd Louis	————	Bellerose, N. Y.
Serfass, Harvey Edwin	————	Bethlehem
Shadle, Robert Lee	————	Selinsgrove
Shaffer, Roger Evans	————	Hanover Junction
Sheaffer, George Rice	Chemistry	Ickesburg
Shirk, Samuel Blaine	————	Wyomissing
Smull, Herbert Warner	————	Lansdowne, Md.
Snyder, Clay Robinette	————	Gardners
Snyder, Henry William	————	Washington, D. C.
Stauffer, Artie John	————	Acme

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Strauss, Wilbur Allison	Economics	Lansford
Strine, Ralph Stoner	————	Waynesboro
Strolis, William Joseph	————	Shenandoah
Superka, Joseph Leo	————	Catasauqua
Taylor, Kenneth Edgar	————	Yoe
Taylor, Raymond Allen	————	York
Taylor, Robert William	————	Bethlehem
Tender, Elijah Walter	————	Paulsboro, N. J.
Thompson, Otto Crouse	Chemistry	Lakewood, N. J.
Triani, Peter Anthony	————	Berwick
Uffelman, Harry Walter	————	York
Umberger, Eugene Baker	————	Runnemedede, N. J.
Wagner, William Carl	————	Williamsport
Walborn, John Gordon	————	Harrisburg
Waldoney, Alex Rudolph	————	Bethlehem
Walker, Richard Eugene	————	Harrisburg
Weidner, Arthur William	————	York Springs
Wetzel, Dennis Robert G.	————	Hanover
Williams, Paul Wellington	————	Willow Grove
Wolf, Ben William	Chemistry	Harrisburg
Worley, Earle Wilson	————	Littlestown
Zug, Richard Davies	Business	Harrisburg

Candidates for the Degree of Bachelor of Science

Buhrman, Howard Franklin	M. E.	Lantz, Md.
Chapman, Jacob Dreher	E. E.	Sharpsburg, Md.
Dallmeyer, Fred Henry	M. E.	Violet Hill
Fitzsimmons, Robert Walter	M. E.	Honesdale
Keil, Richard Albert	M. E.	West Newton, Mass.
Koons, Robert Eichinger	C. E.	New Cumberland
Schmidt, John George	M. E.	York
Strosahl, Bernard Conrad	M. E.	Honesdale
Tilley, William Adrian	C. E.	Newton Center, Mass.

Students not Candidates for a Degree

Anderson, William James	Muddy Creek Forks
Gould, William H.	Rouzerville
Harner, Paul Abraham	Hanover
Hostetter, Oscar LeRoy	Littlestown
Jones, Albert Meyrick	Natalie
Kleinfelter, Myles S.	Gettysburg
Knapper, Howard Park	Hanover
Nissley, Robert Long	Hummelstown
O'Donnell, John Philip	Reno, Nev.

GETTYSBURG COLLEGE

Geographical Distribution of Students

Pennsylvania (Gettysburg 31).....	397
New Jersey.....	41
Maryland.....	41
New York.....	20
Massachusetts.....	5
District of Columbia.....	3
West Virginia.....	2
Ohio.....	2
Connecticut.....	1
Delaware.....	1
Nevada.....	1
Wisconsin.....	1
	<hr/>
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Summary

Students in College 1933-'34

Seniors.....	118
Juniors.....	125
Sophomores.....	115
Freshmen.....	148
Not candidates for a degree.....	9
	<hr/>
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Students in Attendance Second Semester 1932-'33*

Seniors

NAME	MAJOR	HOME
Heck, William Philemon	Education	Gettysburg
Rowles, Albert Franklin	English	Baltimore, Md.

Sophomores

Andrews, William Reed	Political Sci.	Beaver
Spofford, John Proctor	———	Dolgeville, N. Y.

Freshman

DeCarlo, Emilio	Chemistry	Whitestone, N. Y.
Fehl, Alfred Preston	———	Smithsburg, Md.
Irwin, Shull Leonard	English	R. D., Gettysburg
Gazzolo, Louis Joseph	Biology	Tarrytown, N. Y.

* Too late to be included in catalog for the year.

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Ritter, Walter Lowrie	Business	Altoona
Sheaffer, George Rice	Chemistry	Ickesburg
Smyser, Willis Michael	French	York
Wolf, Ben William	Chemistry	Harrisburg

Students not Candidates for a Degree

Martz, Chester G.	_____	Harrisburg
Rieker, Richard Norton	_____	York
Seely, Raber Smith	_____	Berwick

Commencement 1933

Commencement Orator

THE HONORABLE FREDERIC CLEMSON HOWE
HARMON-ON-HUDSON, N. Y.

Graduates

Bachelor of Arts

Eric Clinton Anderson	Clarence Daniel Leatherman
Ralph Evington Barley	Lawrence Bernard Morris, Jr.
Stanley Charles Beuchler	Francis Bohn Myers
Marion Josephine Biggs ✓	George Gordon Parker
Mildred Fay Dimmerling ✓	Luther Waybright Ritter
Wesley Nicholas Dorn	Herbert Waldemar Schroeder
Grace Benner Durboraw ✓	John Roland Strevig
Kenneth Oyler Ehrhart	Daniel Edmund Teeter
Earle Smith Ernst	Jean Evelyn Thomas ✓
Paul Harold Gleichman	Hiram Weidner Trostel
John Wilbur Gouker	Edward Prentiss Turnbach
Carl Miller Hamsher	Miriam Esther Waltemyer ✓
Dorothy Virginia Harris ✓	Paul Emory Weaver
Ellwood Luther Hauser	Edgar David Ziegler
Robert Charles Klingensmith	Margaret Elizabeth Zinn

Bachelor of Science

Lloyd LeRoy Amspacher	Arthur Ray Bawn
Charles F. Anderson	Frank Alvey Beachley
William Harris Armento	Ralph Albert Berkheimer
George Azar	John Zimmerman Bowers
John Woodrow Bankert	Richard Anthony Brown
Ernest Levi Baum	Alfred Klaje Buchanan

GETTYSBURG COLLEGE

John William Cowan	Samuel Frank Marchese
William Dougherty Cowell	Edgar Lightner McCleaf
Raymond William Cronlund	John Dutt McGraw
Jacob Henry Crouse	James Hervey McIlhenny
Roy Moyer Crouthamel	Kenneth Hubley McMillen
Austin Eugene Diehl	Harry Hunseicker Mercer
Charles Luther Eby	Frederick William Mergard
Clair Edward Eden	George Howard Merker
Frank Palmer Fisher	Charles Henry Miller
Vaughn Lyndell Gibbs	Robert Long Nissley
Richard Henry Gifford	William Hamme Oberlander
Charles Russell Gilbert	Reinhart Bruno Ortlieb
John Lawrence Gillespie	Clarence Eugene Painter
Percy John Gnau	Beverly Post
Jacob Henry Gotwalt	Harold Arthur Reehling
Elder Frederick Harner	Howard Hohman Ritterpusch
Herman Albert Hauver	James Martin Robb
James Oberlander Hawkins	Alfred Franklin Rowles
James Heaton	George Whyte Scott
Howard Milton Hege	Raymond Franklin Sheely
John Gordon Holtzapple	David Carrol Stoner
Clark Sheldon Horning	Howard Eugene Strock
Albert Meyrick Jones	Lyla Evangeline Tobias
Coolidge Alexander Karns	Glenn Suder Walker
Walter Ellsworth Kipp	Ellsworth Weatherby
Gustav Adolf Kirsch	Gordon Davis Whitcraft
John Theodore Koser	Robert Eric Wise
Luther Albert Lenker	Robert Harry Witters
William Cline Lucas	

Master of Arts

Ira Young Baker	Ralph L. Roth
Leander H. Hoke	Jacob Melchior Sheads
Clara Moul Lentz	Harry Wallace Shenk
John Bringman Miller	Lloyd Luther Stavely
Alfred Nelson Myers	

Master of Science

Glenn Emery Bailey	Freeman Stanley Hoffman
Ellsworth Hoover Brininger	Alfred Roy McCauslin
Clair Bucher Deardorff	Thelma Grace Maginnis
Edwin Morris Fisher	Glenn Leroy Pitzer
Leo Joseph Fitzpatrick	Webster Cash Smith

GETTYSBURG • PENNSYLVANIA

Honors

Valedictorian

Dorothy Virginia Harris

Salutatorian

Raymond Franklin Sheely

General Final Honors

John Woodrow Bankert	Raymond Franklin Sheely
Wesley Nicholas Dorn	Daniel Edmund Teeter
Percy John Gnau	Edward Prentiss Turnbach
Dorothy Virginia Harris	Miriam Esther Waltemyer
Clarence Eugene Painter	Paul Emory Weaver
Herbert Waldemar Schroeder	

Highest Class Honors

SENIOR

Percy John Gnau

JUNIOR

Charles William Wolf	Richard Charles Wolf
----------------------	----------------------

SOPHOMORE

David Elmer Robison	Wayne Robert Woods
---------------------	--------------------

FRESHMAN

Harold Aberly Dunkelberger

Class Honors

SENIOR

John Woodrow Bankert	Herbert Waldemar Schroeder
Ernest Levi Baum	Raymond Franklin Sheely
Mildred Fay Dimmerling	Daniel Edmund Teeter
Wesley Nicholas Dorn	Edward Prentiss Turnbach
Paul Harold Gleichman	Miriam Esther Waltemyer
Dorothy Virginia Harris	Paul Emory Weaver
James Oberlander Hawkins	Gordon Davis Whitcraft
Clarence Eugene Painter	Edgar David Ziegler

JUNIOR

Charles Frederick Althaus	William Samuel Hill
James Barr Day	Howard Edmund Kline
Mahlon Russel Hagerty	Wendel Carrier Lawther

GETTYSBURG COLLEGE

John Newton Bower Livingood
Rodman Smith

Hermas Lester Weary

SOPHOMORE

Louis Thorn Bowers
James Brazel
Angelo Ciavarella Cavell
Carl Frank Chronister
Preston Wyckoff Dise
Francis Charles Lindaman

Raymond Milton Miller
Cleon Franklin Prowell
Bruce LeRoy Ritz
Robert Harold Runk
Samuel Agison Schreckengaust
Walter Carl Schroeder

FRESHMAN

Bruce Maurice Bare
Lloyd Eugene Barron
Doyle McClean Bortner
Lavern Harvey Brenneman
William Baker Bristol
Leonard Henry Eriksen

Donald Snively Frey
George King Keet
Clarence William Miller
Edmund Frederick Perls
Charles William Preston
William Ulrich Snyder

Departmental Final Honors

In English

Dorothy Virginia Harris
Gordon Davis Whitcraft
Edward Prentiss Turnbach

In Latin

Wesley Nicholas Dorn
Herbert Waldemar Schroeder
Paul Emory Weaver

In Greek

Edgar David Ziegler

In Political Science

Daniel Edmund Teeter

In Chemistry

John Woodrow Bankert
Coolidge Alexander Karns
Clarence Eugene Painter

GETTYSBURG • PENNSYLVANIA

In Business Administration

Percy John Gnau

Seniors Elected to Phi Beta Kappa

John Woodrow Bankert	Herbert Waldemar Schroeder
Wesley Nicholas Dorn	Raymond Franklin Sheely
Percy John Gnau	Edward Prentiss Turnbach
Dorothy Virginia Harris	Miriam Esther Waltemyer
Clarence Eugene Painter	Paul Emory Weaver

Prizes

Graeff Prize

Dorothy Virginia Harris

WITH HONORABLE MENTION OF

Carl Miller Hamsher

Garver Latin Prize

Clarence William Miller

WITH HONORABLE MENTION OF

Ernest McGill

Hassler Latin Prize

Harry Shaw Bowman

Charles William Wolf

Brewer Greek Prize

Charles William Snyder

Wayne R. Woods

Garver Greek Prize

Harold Aberly Dunkelberger

WITH HONORABLE MENTION OF

Ernest McGill

Stine Chemistry Prize

Clarence Eugene Painter

Kuhns History Prize

Mildred Fay Dimmerling

GETTYSBURG COLLEGE

Baum Mathematical Prize

Harold Eugene Eckert

WITH HONORABLE MENTION OF

Eric Fredolph Larson

Bruce LeRoy Ritz

Muhlenberg Freshmen Prize

Harold Aberly Dunkelberger

Edwin and Leander M. Zimmerman Prize

Gordon Davis Whitcraft

York-Gettysburg Club Prize

John Woodrow Bankert

Military Prizes

Honor Graduate R. O. T. C., 1932-'33

Raymond Franklin Sheely

Military Memorial Prize

Raymond Franklin Sheely

WITH HONORABLE MENTION OF

Clarence Eugene Painter

Gordon Davis Whitcraft

Coolidge Alexander Karns

Scabbard and Blade Military Prize

FIRST YEAR ADVANCED COURSE

Robert Frederick Jacobs

WITH HONORABLE MENTION OF

John Daniel Maust

SECOND YEAR BASIC COURSE

Charles Nikander Kulman

WITH HONORABLE MENTION OF

Edward Joseph Nowicki

Francis Raleigh Dunbar

Active Service Men's Trophy Cup, Won by

COMPANY "C"

Capt. C. E. Painter, Cmdg.

GETTYSBURG · PENNSYLVANIA

Distinguished Platoon

1ST PLATOON, COMPANY "C"
Lieut. A. K. Buchanan, Cmdg.

The 316th Infantry Rifle Marksmanship Trophy

2ND PLATOON, COMPANY "B"
Lieut. Frank A. Beachley, Cmdg.

Honorary Degrees

CONFERRED AT COMMENCEMENT 1933

Doctor of Divinity

Rev. Henry H. Bagger	Pittsburgh
Rev. Robert H. Gearhart, Jr.	Philadelphia
Rev. Edmund L. Manges	Huntingdon

Doctor of Literature

Professor Arthur B. Coble	Urbana, Ill.
Professor Herman F. Swartz	Berkley, Cal.

Doctor of Pedagogy

Col. G. F. McAllister	Mt. Pleasant, N. C.
Professor Stacy E. Peters	Lancaster

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Formerly Pennsylvania College

Founded in 1832

REGISTER FOR 1934 · 1935

ANNOUNCEMENT OF COURSES 1935 · 1936

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GETTYSBURG COLLEGE

GETTYSBURG, PA.

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CALENDAR FOR 1934-1935-1936

Session days are indicated by bold-face type

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COLLEGE CALENDAR

1934 · 1935 · 1936

1934

<i>September 17</i>	<i>Monday</i> , Entrance Examinations and Registration of New Students.
<i>September 20</i>	<i>Thursday</i> , 11 A.M., Formal Opening Exercises. College Year begins.
<i>September 21</i>	<i>Friday</i> , 8 P.M., Y. M. C. A. Reception.
<i>November 28</i>	<i>Wednesday</i> , Noon, Thanksgiving Recess begins.
<i>December 3</i>	<i>Monday</i> , 7:45 A.M., Thanksgiving Recess ends.
<i>December 4</i>	<i>Tuesday</i> , 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.
<i>December 15</i>	<i>Saturday</i> , Noon, Christmas Recess begins.

1935

<i>January 3</i>	<i>Thursday</i> , 7:45 A.M., Christmas Recess ends.
<i>January 23 to 31</i>	<i>Wednesday to Thursday</i> . Examinations closing First Semester.
<i>February 2</i>	<i>Saturday</i> , 7:45 A.M., First Semester ends and Registration for Second Semester begins.
<i>April 17</i>	<i>Wednesday</i> , Noon, Easter Recess begins.
<i>April 24</i>	<i>Wednesday</i> , Noon, Easter Recess ends.
<i>May 28 to June 7</i>	<i>Tuesday to Friday</i> , General Final Examinations.
<i>May 30</i>	<i>Thursday</i> , Decoration Day. Holiday.
<i>June 7</i>	<i>Friday</i> , 10 A.M., Meeting of the Executive Committee of the Board of Trustees.
<i>June 8</i>	<i>Saturday</i> , 9:30 A.M., Annual Meeting of the Board of Trustees in Gettysburg.
<i>June 8</i>	<i>Saturday</i> , 10 A.M., Baseball Game.
<i>June 8</i>	<i>Saturday</i> , Alumni Class Reunions.
<i>June 8</i>	<i>Saturday</i> , 3 P.M., Senior Class Day Exercises.
<i>June 8</i>	<i>Saturday</i> , Noon, Alumni Collation.

COLLEGE CALENDAR

1934 ' 1935 ' 1936

1935

June 9

Sunday, 10:45 A.M., Baccalaureate Sermon.

June 10

Monday, 10 A.M., Commencement Exercises.

SUMMER VACATION

September 16

Monday, 9 A.M., Registration of New Students.

September 16

Monday, Beginning of Freshmen Orientation Classes and Entrance Examinations.

September 19

Thursday, 9 A.M., Registration of Old Students.

September 19

Thursday, 11 A.M., Formal Opening Exercises in Brua Chapel. College Year begins.

September 20

Friday, 7:45 A.M., College Classes begin.

September 20

Friday, 8 P.M., Y. M. C. A. Reception.

November 27

Wednesday, Noon, Thanksgiving Recess begins.

December 2

Monday, 7:45 A.M., Thanksgiving Recess ends.

December 3

Tuesday, 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.

December 14

Saturday, Noon, Christmas Recess begins.

1936

January 2

Thursday, 7:45 A.M., Christmas Recess ends.

*January 22 to
30*

Wednesday to Thursday. Examinations closing First Semester.

February 1

Saturday, 7:45 A.M., First Semester ends and Registration for Second Semester begins.

April 8

Wednesday, Noon, Easter Recess begins.

April 15

Wednesday, Noon, Easter Recess ends.


May 30

Saturday, Decoration Day.

June 8

Monday, Commencement.

HISTORICAL

HE Charter of Gettysburg College was approved April 7, 1832. The opening paragraphs are as follows: "WHEREAS, the literary and scientific institution in Gettysburg, Adams County, in this Commonwealth, known by the name of Gettysburg Gymnasium, is resorted to by a large number of young men from different portions of this State, and elsewhere, and promises to exert a salutary influence in advancing the cause of liberal education; therefore,

"SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, That the Gettysburg Gymnasium be, and hereby is erected into a College, for the education of youth in the learned languages, the arts, sciences and useful literature.

"SECTION 2. And be it further enacted by the authority aforesaid, That the style and title of said College shall be 'Pennsylvania College of Gettysburg'* . . . "

The College in a large measure grew out of the necessity of properly preparing men for the Theological Seminary, established in 1826 at Gettysburg. This purpose has never lessened, and to-day the institution regards this as an important feature of its work and offers special opportunities to young men preparing themselves for theological studies. Gettysburg College in its beginnings and its history is closely identified with the Lutheran Church.

The College began without endowment, with one small building (now a residence on the southeast corner of Wash-

* On Nov. 14, 1921, the name was changed to Gettysburg College.

GETTYSBURG COLLEGE


ington and High streets), and a small attendance. But the enthusiasm of its able instructors, the loyalty and self-sacrifice of its officers, students, and alumni, and the devotion of its friends have made its history one of steady and continuous growth.

Gettysburg College is fully accredited by the Association of American Universities, and is given an "A" rating by the University of Illinois. The College is also fully accredited by the Department of Public Instruction of Pennsylvania, by the Board of Regents of the State of New York, and by the Association of Colleges and Secondary Schools of the Middle States and Maryland.

Following is a list of the Presidents of the College from its foundation to the present time:

1832-'34	SAMUEL S. SCHMUCKER, D.D.	<i>Founder</i>
1834-'50	CHARLES PHILIP KRAUTH, D.D.	<i>1st President</i>
1850-'68	HENRY L. BAUGHER, D.D.	<i>2nd President</i>
1868-'84	MILTON VALENTINE, D.D., LL.D.	<i>3rd President</i>
1884-'04	HARVEY W. MCKNIGHT, D.D., LL.D.	<i>4th President</i>
1904-'10	S. G. HEFELBOWER, PH.D., D.D., LL.D.	<i>5th President</i>
1910-'23	WILLIAM A. GRANVILLE, PH.D., LL.D.	<i>6th President</i>
1923-	HENRY W. A. HANSON, D.D., LL.D.	<i>7th President</i>

LOCATION

ETTSBURG is situated in the beautiful rolling country a few miles east of the South Mountain range of the Blue Ridge Mountains. The situation is healthful, and there is a good supply of filtered water. The town is readily reached from all directions by the Reading and the Western Maryland Railways, which connect at Harrisburg, Pa., and Baltimore, Md., with the railway systems of Pennsylvania and the South, and by auto bus lines from Harrisburg, York, Hanover, Chambersburg, and Littlestown. Washington, Baltimore, Harrisburg, York, Hagerstown, Chambersburg, Carlisle, and other centers are connected with Gettysburg by state highways, making it an important automobile tourist center. The Coast-to-Coast Lincoln Highway passes through Gettysburg.

The historic association of Gettysburg with the Civil War gives the locality great interest. The events of the Battle of Gettysburg, July 1-3, 1863, are recorded on nearly 3000 monuments and markers, many of them being of large size and of artistic merit. The battlefield is a National Military Park, having come under Federal control and management in 1895. The whole terrain comprises twenty-four square miles in the main field and fifteen square miles in the cavalry field, which is several miles east of the town. The United States Government owns a total of 2530 acres of this land. The battlefield is accessible by twenty-two miles of improved connecting roads. Many examples of intrenchments, lunettes, and other defensive works have been preserved. Situated on the southern edge of the town is the Gettysburg National Cemetery, at the dedication of which Lincoln made his memorable Gettysburg Address.

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1902	CHARLES BAUM, M.D., PH.D.	<i>Middletown</i>
1907	HON. R. WILLIAM BREAM	<i>Gettysburg</i>
1908	FRANK E. COLVIN, ESQ.	<i>Bedford</i>
1908	JOHN F. DAPP	<i>Harrisburg</i>
1908	GEORGE B. KUNKEL, M.D.	<i>Harrisburg</i>
1910	CHARLES J. FITE	<i>Pittsburgh</i>
1914	FREDERICK H. KNUBEL, D.D., LL.D.	<i>New York, N. Y.</i>
1914	PERCY D. HOOVER, M.D.	<i>Waynesboro</i>
1915	HARVEY C. MILLER	<i>Philadelphia</i>
1916	JOHN B. MCALISTER, M.D.	<i>Harrisburg</i>
1917	JEREMIAH ZIMMERMAN, D.D., LL.D.	<i>Syracuse, N. Y.</i>
1918	LOUIS S. WEAVER, M.D.	<i>York</i>
1921	HARRY C. HOFFMAN, M.D.*	<i>Connellsville</i>
1921	JOSEPH B. BAKER, D.D.*	<i>York</i>
1922	CHARLES T. LARK, ESQ.	<i>New York, N. Y.</i>
1923	HENRY W. A. HANSON, D.D., LL.D.	<i>Gettysburg</i>
1923	GEORGE H. HUMMEL*	<i>York</i>
1929	PAUL B. S. RICE	<i>Harrisburg</i>
1929	CHARLES M. A. STINE, Ph.D., Sc.D., LL.D.	<i>Wilmington</i>
1932	JOHN H. BEERITS	<i>Somerset</i>
1932	HARRY H. BEIDLEMAN, D.D.	<i>Hanover</i>
1932	J. MCCREA DICKSON, M.D.*	<i>Gettysburg</i>
1932	AMOS E. TAYLOR, PH.D.	<i>Washington, D. C.</i>

* Designated as Alumni Trustees, having been elected on nomination by the Alumni Association.

GETTYSBURG · PENNSYLVANIA

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CHARLES M. A. STINE, Ph.D., Sc.D., LL.D.	<i>Vice-President</i>
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CLYDE B. STOVER, A.M.

Registrar and Secretary of the Faculty

313 North Stratton Street

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College Treasurer

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1934-1935

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3 Campus

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243 N. Washington St.

Associate Professor of English

A.B., A.M., *University of Virginia*; A.M., *Harvard University*;
PH.D., *University of Virginia*.

GETTYSBURG COLLEGE

- C. PAUL CESSNA 218 Baltimore St.
Assistant Professor of Mathematics
 A.B., A.M., Gettysburg College.
- HERBERT G. HAMME 4 W. Confederate Ave.
Assistant Professor of Romance Languages
 A.B., Dickinson College; A.M., Gettysburg College.
- ERNST O. VON SCHWERDTNER 135 Carlisle St.
Assistant Professor of German
 A.B., A.M., St. Johns College.
- C. ALLEN SLOAT 38 E. Broadway
Assistant Professor of Chemistry
 B.S., Gettysburg College; A.M., Haverford College; PH.D., Princeton University.
- BERTRAM H. SALTZER 41 E. Lincoln Ave.
Assistant Professor of Mechanical Engineering
 B.S. in M.E., M.E., Pennsylvania State College.
- WILLIAM D. HARTSHORNE, JR. 243 N. Washington St.
Assistant Professor of Romance Languages
 A.B., A.M., Haverford College; *Diplome de Professeur de francais a l'etranger, Universite de Toulouse.*
- LESTER O. JOHNSON 304 N. Stratton St.
Assistant Professor of Education
 A.B., St. Olaf College; A.M., University of Minnesota.
- CAPTAIN GEORGE E. ABRAMS, INFANTRY, U.S.A. 35 W. Broadway
Assistant Professor of Military Science and Tactics (R.O.T.C.)
- HENRY T. BREAM 317 N. Stratton St.
Instructor in Physical Education
 B.S., Gettysburg College.
- JOHN W. OSTROM 143 Carlisle St.
Instructor in English
 B.S., M.A., Gettysburg College.

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- GEORGE F. GUTMANN 14 Baltimore St.
Instructor in German
A.B., A.M., Gettysburg College.
- SERGEANT JAMES MASHBURN, INFANTRY, U.S.A. 433 Baltimore St.
Instructor in Military Science and Tactics (R.O.T.C.)
- PRESTON F. AMSPACHER 126 Springs Ave.
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B.S., Gettysburg College; M.S., University of Michigan.
- DUNNING IDLE 136 Carlisle St.
Instructor in History
A.B., A.M., University of Michigan.
- UEL E. DIBBLE 207 Baltimore St.
Instructor in Biology
B.S., Denison University.
- WILLARD A. LANING, JR. Gilliland Apts.
Instructor in Electrical Engineering
B.S. in E.E., Bucknell University; M.S. in E.E., University of Illinois.
- DONALD R. HEIGES Biglerville, Pa.
Instructor in Philosophy
A.B., Gettysburg College.
- ROBERT D. HERSHEY 115 Buford Ave.
Instructor in English Bible
A.B., Gettysburg College; B.D., Gettysburg Theological Seminary.

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Committees of the Faculty

Admission to Freshman Class

STOVER, CLUTZ, ARMS

Advanced Standing

STOVER, TILBERG

Freshman Scheduling

STOVER, REEN, MILLER, SALTZER

Curriculum

ZINN, TILBERG, GRIMM, SANDERS, CLUTZ, KRAMER,
CLINE, SABY, GLENN

Scholastic Standing

TILBERG, GRIMM, ARMS, REEN, WALTEMYER

Hour Schedule

CLINE, CLUTZ, KRAMER, BILHEIMER, REEN

Bulletin

STOVER, TILBERG, REEN, MASON

College Discipline

SANDERS, TILBERG, WALTEMYER

Student Absences

TILBERG, CLINE, REEN

Advanced Degrees

STOVER, ARMS, KRAMER, CLINE, ZINN

Library

GRIMM, BACHMAN, LARKIN, KNICKERBOCKER

Students' Publications

CLINE, WALTEMYER, SABY

Supervision of Finance of Student Organizations

SABY, CLINE, SANDERS, TILBERG

GETTYSBURG COLLEGE

Supervision of Social Functions

TILBERG, GLENN, REEN

Student Organizations

KRAMER, TILBERG, GLENN

College Musical Organizations

SHAFFER, SALTZER

Representatives on Athletic Council

ARMS, CLINE

Athletic Council

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Alumni Representative, President

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Representative of the Board of Trustees, Vice-President

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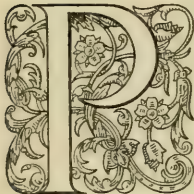
Ex-officio, President of the Board of Trustees

HENRY W. A. HANSON

Ex-officio, President of the College

ADMISSION

Application for Admission

 PERSONS desiring to enter the College should make written application for admission on an official certificate form to be obtained from the Registrar. In the application they should present evidence of a good moral character and of the fulfillment of the entrance requirements, and state the degree for which they will be candidates. Students coming from other institutions must present certificates of good standing and honorable dismissal. Only men students may be admitted.

An applicant who states in his application that he will not be a candidate for a degree will, if admitted, be enrolled in the list of "Students not Candidates for a Degree" and be permitted to take only such work as he is prepared to pursue to advantage; however, this work must include Orientation, English A, and Military Science or Physical Education.

All changes of enrollment with reference to degrees require that the candidate must make application for, and satisfy the requirements of, the degree for which he becomes a candidate.

Methods of Admission

A student is admitted either by *examinations* held on the Monday preceding the formal opening of the College in September, or by presenting a *certificate* from an approved secondary or high school or from an approved private instructor. The certificate must state the amount of work done and the time spent on each subject, together with the grades received. To insure the presentation of the necessary information for the Committee on Admission to Freshman Class all

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certificates and applications for admission should be presented on the official forms, which may be obtained from the Registrar. These certificates should be filled out and returned to the Registrar before the beginning of the college year.

Registration

Every student must call at the Registrar's office at the beginning of the college year to secure instructions in regard to registration and enrollment in classes and must attend to the details according to the instructions given.

A new student must sign the matriculation pledge and pay the registration fee of five dollars. Every one, whether a new student or one previously in attendance, must register at the beginning of each year. Registration after the periods announced is penalized by the imposition of a fee of five dollars, with an added fee of one dollar for each day of tardiness. Any student entering late will be held responsible for making up all work from the beginning of the semester. No student will be permitted to register later than two weeks after the appointed registration days, except by special permission of the Faculty.

Requirements for Admission

Only those are admitted who are graduates of a standard high school or who present evidence of having equivalent preparation.

The scholarship requirement for admission to the Freshman class is the satisfactory completion of fifteen units of work, of which three units must be in English and two units in Mathematics. To make up the total of ten units in addition to the five units of prescribed English and Mathematics, the applicant for admission may offer any subjects given in an approved secondary or high school as listed below. Students expecting to enter an Engineering Course should have two years of Algebra and a half year of Plane Trigonometry.

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A unit of work in any subject is the amount of work done in a standard secondary school in a year of thirty-two weeks with five recitation periods per week of forty-five minutes each. No student will be admitted as a candidate for any degree who does not fully satisfy these requirements.

Although English and Mathematics are the only subjects specifically prescribed for admission to the College, a student may pursue only those subjects in the college curriculum for which he has had adequate preparation. Prerequisite studies not offered for entrance must be taken before the college studies for which they are prerequisite may be taken, and such prerequisite studies are not accredited toward graduation.

Applicants for admission as "Students not Candidates for a Degree" who do not present the full requirements of fifteen units can be admitted only by Faculty action.

Rating of Subjects for Admission

ENGLISH

Grammar, composition, and literature, as recommended by the National Conference on Uniform

Entrance Requirements.....3 units

MATHEMATICS

A. Algebra—to quadratics.....1 unit

B. Algebra—quadratics and beyond..... $\frac{1}{2}$ or 1 unit

C. Plane Geometry.....1 unit

D. Solid Geometry..... $\frac{1}{2}$ unit

E. Plane Trigonometry..... $\frac{1}{2}$ unit

F. Unified Mathematics..... $\frac{1}{2}$ or 1 unit

GREEK

A. Grammar and four books of Xenophon.....2 units

B. Composition, three books of Homer, and sight translation.....1 unit

LATIN

A. First and second year2 units

B. Third year.....1 unit

C. Fourth year.....1 unit

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*FRENCH

One to three years..... 1 to 3 units

*GERMAN

One to three years..... 1 to 3 units

*SPANISH

One to three years..... 1 to 3 units

HISTORY

United States..... $\frac{1}{2}$ or 1 unit

English..... $\frac{1}{2}$ or 1 unit

Ancient..... $\frac{1}{2}$ or 1 unit

Medieval..... $\frac{1}{2}$ or 1 unit

Modern European..... $\frac{1}{2}$ or 1 unit

ECONOMICS..... $\frac{1}{2}$ or 1 unit

SOCIOLOGY..... $\frac{1}{2}$ or 1 unit

CIVICS..... $\frac{1}{2}$ or 1 unit

PROBLEMS OF DEMOCRACY..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, POLITICAL AND PHYSICAL..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, COMMERCIAL..... $\frac{1}{2}$ or 1 unit

COMMERCIAL LAW..... $\frac{1}{2}$ or 1 unit

PHYSIOLOGY..... $\frac{1}{2}$ or 1 unit

CHEMISTRY

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

PHYSICS

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

BIOLOGY (*Botany, Zoölogy*)

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

* College credit is not allowed for an "A" course taken in college if this work has been accepted for entrance credit.

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GENERAL SCIENCE..... $\frac{1}{2}$ or 1 unit

The candidate may offer not more than a total of three units from: Agriculture, Mechanical Drawing, Shop Work, Bookkeeping, Typewriting, Stenography.*

Admission to Advanced Standing

A student who has matriculated at another institution of college rank and applies for admission to Gettysburg College, is required to submit to the Registrar evidence of work pursued and a letter of honorable dismissal. If the record shows that his work has been done with an average of not less than "C" grade, and with such a grade as would have permitted his continuance as a student at Gettysburg College, the applicant may be admitted to advanced standing.

Advanced credit is given for courses taken *in the regular session* of a college on the approved list of The Association of American Universities, or of the University of Illinois. Students from other colleges are subject to examinations in those courses for which they wish to obtain advanced credit.

A former student of Gettysburg College may be readmitted and given advanced credit on the same conditions.

Work taken in the summer session of an approved institution is recognized without examination provided previous arrangement for taking such work has been made with the Registrar.

No one is admitted to college after the beginning of the Senior year, except by special action of the Faculty.

* 240 hours in these subjects constitutes a unit.

CURRICULUM

Degrees



COURSES of study consist of four years of college work, and lead to the degree of Bachelor of Arts, or to the degree of Bachelor of Science in Engineering. Each candidate for a degree must absolve the specified requirements of majors, minors, and electives together with the general requirements as prescribed.

Freshman Counselors

When a student is admitted to the College, the Dean designates some member of the Faculty as his special counselor. Weekly conferences are arranged in an effort to aid the student in solving the problems connected with his first year in College.

Advisers

When the student chooses his major subject, the professor in charge of that department becomes his adviser and continues as such thruout his course. The adviser is the medium of communication between the student and the Faculty and may be consulted in all matters. Each year the student must secure his adviser's approval of his study list.

Courses and Credits

The courses of instruction are given in detail on pages 39-98. The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour per week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork), drawing, shopwork or field work, per week for one semester. Credit for one semester's work, in a course

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running thru the year, is given only on the written recommendation of the department concerned.

A record is kept of the work done by each student, giving the semester hours and the grades. The grades of scholarship are designated as follows: A (excellent); B (good); C (fair); D (poor, barely passed); E (failed, but entitled to a re-examination); and F (failed utterly and must repeat with the next class). In addition to these grades a student's record may show a subject marked "Inc," meaning "incomplete." This notation is given in all cases where the grade is passing, but the work is not completed for reasons beyond the student's control.

Each student who graduates will, on request in person, be furnished with a certified copy of his college record. A request for such certificates, when these are to be furnished in duplicate or thru correspondence, should be accompanied by a remittance of one dollar. Students who leave college before graduation and who are in good standing are entitled to certificates on the same terms.

Report

A report of the student's work is sent to his parents or guardian at the end of each semester. If a student is doing unsatisfactory work his parents or guardian may be notified at any time.

Choice of Courses and Enrollment

Most of the studies in the Freshman and Sophomore years are prescribed, but in the Junior and Senior years the student has a choice of subjects under the major and minor system. The list of subjects selected by the student for the ensuing year (including the major subject, the minors, and the electives), approved by the adviser, must be filed by the student in the Registrar's office each year, except the Senior year, on or before a date (in May) to be announced. The study list must include any subjects in which the student may have incurred a deficiency. The student will receive no credit in classes in which he is not properly enrolled.

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After the first week of the year changes in the student's study list can be made only with the written consent of his adviser and of the instructors concerned and with the approval of the *Committee on Scholastic Standing*. No regular student may drop a subject without permission of the *Committee on Scholastic Standing*; failure to secure such permission will be regarded as a deficiency in that subject.

A candidate for a degree is not allowed to take less than twelve semester hours except by special action of the *Committee on Scholastic Standing*. In the case of a student assistant doing actual teaching, such teaching may be counted as part of his schedule.

A student who has been enrolled as a candidate for a degree may not change his status except on written request from his parents or guardian.

Maximum Schedule

Freshmen, in the A.B. course, are limited to a fifteen hour schedule. Other students in the A.B. course are limited to a sixteen hour schedule except as follows: (a) if the student during the preceding year attains a quality point average of 1.500, he will be permitted to carry an eighteen hour schedule; (b) if he attains a quality point average of 2.500, he will be permitted to carry a twenty hour schedule in the Junior year and a twenty-one hour schedule in the Senior year; (c) in either the Junior or Senior year (not both) a student may be permitted (without reference to the requirements in "a" or "b") to carry a maximum schedule of thirty-six hours, or not more than eighteen hours for one semester, provided he has obtained the permission of the Committee on Scholastic Standing.

All students in the A.B. course are limited to a schedule of not more than one hundred and twenty-eight credit hours in four years except as allowed in "a" or "b."

For schedule limitations in the B. S. course see p. 36.

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Class Rating and Scholarship Deficiencies

A student will not be advanced in class enrollment (or rating) at the beginning of any year if he is deficient in quality points or in as much as one-third of the previous year's work (reckoned by semester hours); and if on October 20 he is still thus deficient his rating will not be advanced during that academic year.

Majors and Minors

Each candidate for the Degree of Bachelor of Arts should choose as early as possible, and not later than the Spring Registration date of the Sophomore year, a major subject on which he intends to concentrate, one minor subject related to the major, and a second minor subject not related to the major. As soon as the choice of major has been certified by the Registrar, the professor in charge of the major subject becomes the student's adviser and continues as such until the end of the Senior year. The adviser must approve a list of studies for the student for each year, including the major and minors and electives, which list must be given to the Registrar on or before the date of Spring Registration. The major subject may not be changed except at Spring Registration or at the beginning of the college year, and then only with the approval of the instructors concerned and the Registrar.

A major consists of at least twenty-four* semester hours in a single subject. A minor consists of at least twelve semester hours in a single subject and may not include "A" courses. The following subjects may be chosen as majors:

Biology	French	Mathematics
Chemistry	German	Philosophy
Economics	Greek	Physics
Education	History	Political Science
English	Latin	Spanish

* In special cases, by approval of the Curriculum Committee, this may include "A" courses and courses allied to the major.

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Requirements for the Bachelor's Degree

The Bachelor's Degree will be conferred upon the student who, being properly enrolled as a candidate, fulfills the following requirements:

(1) He must satisfactorily complete 120 semester hours of work.

(2) He must earn as many Quality Points as semester hours required for graduation in his case.*

(3) He must complete the prescribed work as indicated on pages 30-31 and 34-37, including all preparatory or prerequisite work, and the major, minors, and electives approved by his adviser.

(4) He must complete in residence one academic year of two consecutive semesters (not less than thirty semester hours).

(5) He must deposit with the Registrar not later than October 15 preceding the date of his expected graduation a written statement indicating the date when he expects to complete his work, the degree for which he is a candidate, and his major subject.

(6) *He must remove all conditions and failures by the end of the first semester of his Senior year.* Work that can be passed, for graduation at the expected time, only by repeating the course during the second semester of the Senior year will be considered as not coming under this rule.

(7) He must be present at the Commencement exercises unless excused by the Faculty.

Prescribed Work for the Degree of Bachelor of Arts

The requirements for the Bachelor of Arts degree provide for a liberal distribution as well as concentration for mastery in a given field.

* For a complete statement of the Quality Point rule, see page 109.

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For *distribution* the following is required of all students:

	SEMESTER HOURS
Orientation	3
English A.....	6
English Bible 1.....	3
Problems of Life (Senior Course).....	3
Comprehensive Examination (beginning with 1934-'35; required of Seniors).....	0
Military Science or Physical Education—2 Years....	0
French and Spanish*	} 12 semester hours in two..... 12
German*	
Greek*	
Latin*	
Mathematics (Pure)	} 12 semester hours in at least two†..... 12
Philosophy	
Pol. Sci. and Econ.	
History	
English Literature	} 12 semester hours in at least two..... 12 (at least 6 semester hours to be a foreign language in the original)
Latin Literature	
Greek Literature	
German Literature	
French Literature	
Spanish Literature	} 12 semester hours in two.... 12
Biology 1	
Chemistry 1	
Physics 1	
Total for distribution.....	63

* Above the "A" course.

† 6 and 6 preferred, but may be 6, 3 and 3 at discretion of the adviser.

For *concentration* each student is required to absolve one major of twenty-four hours in one subject, one minor of twelve hours in the same group as the major, a second minor of twelve hours outside the group of the major. "A" courses may not

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be counted.* Following is the arrangement of groups for the major and minor concentration:

GROUP 1	GROUP 2	GROUP 3
English	Philosophy	Mathematics (Pure)
Latin	Political Science	Biology
Greek	Economics	Chemistry
German	History	Physics
French	Education	
Spanish	Bible	

The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time within the student's time of residence.

Notes on the Curriculum

1. A student is not allowed to take the beginning course in more than one foreign language in the freshman year.
2. When a language is continued, an "A" course must be followed by course 1 the next year.
3. Students intending to take a major in Mathematics or Physics will normally take Physics in the Freshman year. Pre-medical students and those intending to take a major in Biology or Chemistry will take the beginning course in their major subject; other students may elect any one of the three sciences.

Courses under the Major and Minor System

A variety of courses of study may be arranged under the different majors in the above list by the choice of minors and electives to meet a wide range of requirements. Suggestions for a few such courses are given on following pages.

Classical Course

Those desiring to pursue a classical course will select a major in Greek or Latin and a minor in Latin or Greek. Students

*In special cases, by approval of the Curriculum Committee "A" courses may be counted.

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who enter the College with the intention of preparing for the Christian ministry are urged to take this course.

Business Administration

Those who are looking forward to a business career will as a rule major in Economics and Business Administration. The courses here offered are of a liberal type as distinguished from the vocational or professional, and aim to give a broad, general training in the field of business and economics. Suggested courses are listed on page 36.

Courses in Preparation for Technical Positions

Besides the courses in Civil, Electrical, and Mechanical Engineering, intended to fit men for technical and industrial positions in those lines, courses may be arranged with Chemistry as a major, which will well prepare men to fill the many positions in industrial or applied chemistry; or courses with Physics as a major, which will prepare for similar positions in applied physics.

Courses for Prospective Teachers

A student preparing to teach should choose as his major the subject he prefers and expects to teach. He should choose as his minor the subject that is his second choice. His electives should include subjects for general cultural training and courses in Education. He should see that he satisfies the school code requirements of the state in which he expects to teach.

Gettysburg College, for the year 1931-'32, made a considerable break with tradition in the arrangement of the Education courses. A minimum list of topics was made. This list included all the skills, viewpoints, information, etc., which the college feels all prospective high school teachers should have. These topics were then distributed among the several courses, wherever they seemed best to fit in sequence, largely disregarding the traditional names of courses.

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This was done to overcome two very annoying difficulties of long standing:

1. The insistence by State Departments upon courses under certain titles, these varying among the States.

2. The consequent duplication of work in these courses.

In the new arrangement there is no actual duplication of work. Where the topic appears twice, a different phase of the work is taken each time.

The list of topics was submitted to the several State Departments chiefly concerned for their approval. Pennsylvania and New York State have given their approval.

Those intending to teach should take the following courses, and as nearly in the sequence given as possible:

Sophomore year, 1st semester, Ed. 1b.....	3 sem. hrs.
2nd semester, Ed. 32*.....	3 sem. hrs.
Junior year, 1st semester, Ed. 5.....	3 sem. hrs.
2nd semester, Ed. 25.....	3 sem. hrs.
Senior year, 1st semester, Ed. 33.....	3 sem. hrs.
Either semester, Ed. 11.....	3 sem. hrs.

General Psychology (Philosophy 1) is a prerequisite. This should be taken in the Sophomore year, if possible.

Students are not recommended to teach any subject in which their average is below B.

Maryland students should take not more than three semester hours of Education prior to their Junior year.

Pre-Medical Course

Those who are preparing to study medicine should major in Biology or Chemistry.

Pre-Legal Course

Those who after graduation expect to study law should major in Political Science and take as minors Economics and History.

* In order to meet the Maryland requirement this must be taken in the Junior or Senior year

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Prescribed Work for the Degree of Bachelor of Science in Engineering

FOR ENTRANCE REQUIREMENTS SEE PAGE 86

COURSES REQUIRED OF ALL ENGINEERS

	SEMESTER HOURS
English A.....	6
English Bible 1.....	3
Orientation.....	3
Literature	12
Modern Language	
History	
Philosophy	
Political Science 1.....	3
Economics 1 and 105.....	6
Chemistry 1.....	6
Mathematics 4a, 4b and 6.....	16
Physics 2.....	6
Military Science or	0
Physical Education (2 years)	
Engineering 1, (Mechanical Drawing).....	4
Engineering 2, (Graphics).....	2
Engineering 3, (Mechanics).....	3
Engineering 5, (Hydraulics).....	3
Engineering 6, (Strength of Materials).....	7
Engineering 7, (Elements of Electrical Engineer- ing).....	6
CE-A, (Surveying).....	3
CE-21, (Contracts and Specifications).....	1
CE-26, (Engineering Seminar).....	2
*CE-27, (Engineering Economics).....	6
ME-36, (Heat Power Engineering).....	6
Total.....	104

Additional courses required for the majors listed:

* Military Science 7 and 8 may be substituted. This is the only Military Science that may be applied towards the required number of hours.

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Civil Engineering

	SEMESTER HOURS
Engineering 2, (Graphics).....	2
CE-11, 12, (Plane Surveying).....	6
CE-13, (Surveying).....	2
CE-17, (Railroads).....	2
CE-18, (Structural Design).....	6
CE-19, (Structural Design).....	6
CE-23, (Highways).....	2
Elective.....	<u>3</u>
Total.....	29

Electrical Engineering

ME-31, 32, (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
EE-45, (Theory of Electrical Machinery).....	6
EE-46, (Characteristics of Electrical Machinery).	3
EE-47, (Electrical Engineering Laboratory).....	2
Elective in Electrical Engineering.....	<u>3</u>
Total.....	29

Mechanical Engineering

ME-31, 32 (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-35, (Machine Design).....	6
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)...	2
Elective in Engineering Courses.....	<u>8</u>
Total.....	29

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	Civil Engineering		Electrical Engineering		Mechanical Engineering	
Year	Re-quired	Max-imum	Re-quired	Max-imum	Re-quired	Max-imum
Freshman.....	30	30	30	30	30	30
Sophomore.....	30	36	31	37	31	37
Junior.....	37	40	37	40	37	40
Senior.....	36	39	35	38	35	39
Totals.....	133	145	133	145	133	146

In order to obtain the degree of Bachelor of Science in Engineering the student must have completed satisfactorily the total work and semester hours as scheduled above, and have as many Quality Points as semester hours required for graduation in his case.

Courses Suggested for Business Administration Students

Freshman Year

	SEMESTER HOURS
English A.....	6
Orientation.....	3
English Bible 1.....	3
Modern Language.....	6
Mathematics 1, 2.....	6
Economics A, (Accounting & Introd. to Business)	6
Military Science or Physical Training.....	0
Total.....	30

Sophomore Year

Political Science 1, (American Government).....	3
Economics 1, (Principles).....	3

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	SEMESTER HOURS
Mathematics 11, (Mathematics of Investment)...	3
Mathematics 13, (Statistics).....	3
Electives.....	18
Military Science or Physical Education.....	<u>0</u>
Total.....	30

Junior Year

Economics 102, (Money and Credit).....	3
Economics 107, (Labor Problems).....	3
Economics 112, (Marketing).....	3
Economics 103, (Banking and Credit Control)....	3
Political Science.....	6
Electives.....	<u>12</u>
Total.....	30

Senior Year

Economics 6, (Business Organization).....	3
Economics 108, (Corporation Finance).....	3
Economics 9, (Transportation).....	3
Economics 16, (Public Utilities).....	3
Economics 105, (Business Law).....	3
Political Science 6, (Business and Government)...	3
Electives.....	<u>12</u>
Total.....	30

Students in Economics and Business Administration will also be specially interested in Mathematics 15 (Costs and Depreciation), and Philosophy 12 (Psychology of Business and Industrial Management).

The Master's Degree

Work leading toward the Master's Degree is offered only in the Summer School. For particulars consult the Summer School Bulletin.

COURSES OF INSTRUCTION

Bible

(SEE ENGLISH BIBLE)

Biology and Hygiene

Professor MARSH and MR. DIBBLE

A major in Biology includes Courses 1, 2 or 3, 4 or 5.

1. GENERAL BIOLOGY—A course designed to give the student a conception of the fundamental facts and theories of biological science. The course includes a study of such typical examples of plants and animals as are suitable to demonstrate the basic principles of structure and function of living organisms. The laboratory work includes, in addition to the study of specimens, instruction in simple methods of preparing materials upon which the laboratory studies are made.

*Three periods and three laboratory hours thruout the year.
Credit of six semester hours.*

Sec. 1, M. W. F.	11	Lab. M.	1
Sec. 2, Tu. Th. S.	11	Lab. Tu.	1
Sec. 3, M. W. F.	7:45	Lab. W.	1
Sec. 4.		Lab. Th.	1

2. VERTEBRATE ZOÖLOGY—The course is based upon a careful laboratory study of representative forms of the vertebrates. Special emphasis is placed upon the comparative anatomy of the forms studied, the general physiological function of the organs, and the relationships existing among the various groups, based upon their evolutionary development.

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*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

3. ANATOMY—A course of comparative mammalian anatomy and the elements of human anatomy and physiology. The course is based upon a careful study of the human skeleton and a thoro dissection of a typical mammal.

*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

Alternates with course 2. Not given 1935-'36.

4. EMBRYOLOGY—A course demonstrating the principles of vertebrate embryology, based upon the frog, chick, and pig. The work includes laboratory studies of the histology of adult reproductive organs, development and maturation of sex cells, segmentation, development of the germ layers and organs, and the formation of the external form of the body. The laboratory work includes the study of prepared slides, the preparation of whole mounts of chick embryos, and the technique of preparing serial sections and their use.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

M. W. F. 9 Lab. F. 1

5. HISTOLOGY—The work covers those structures ordinarily included in general histology, and includes a thoro study of the primary tissues and the main organs. Considerable time is given to the technique of slide preparation, from the living material to the finished slide. In addition to the slides prepared by himself, the student has access to the slide library. Course alternates with Embryology.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

Alternates with course 4. Not given 1935-'36.

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6. BOTANY—The course is intended to give the student an appreciation of the rôle of plants in nature, their general structures, physiological functions, and relations to man. The laboratory work includes the study of typical representatives of the main groups of plants, special attention being given to the bacteria, molds, and flowering plants. *Three periods and three laboratory hours thruout the year. Credit of six semester hours.*

Prerequisite: Biology 1.

Tu. Th. S. 9 Lab. Tu. 1

7. HISTORY OF BIOLOGY—This course is designed to give the student an appreciation of the historical growth of biological science, and, based upon this, a clearer appreciation of the present status of our knowledge of the various biological fields of study. The course presupposes a knowledge of technical laboratory training in several biological sciences in order to follow the course profitably. The work is based upon Locy's *Biology and Its Makers*. Work includes class exercises and library reading.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

8. PHYSIOLOGY—A course of instruction in general physiology, dealing especially with the functions of Excretion, Digestion, Circulation, Respiration, and Reproduction, and the structures correlated therewith.

Three periods and two laboratory hours, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 10 Lab. W. 1

Sec. 3, M. W. F. 10 Lab. Th. 3

9. BIOLOGICAL SEMINAR—A course for advanced students and those preparing to teach. Work consists of reading and discussion of material appearing in the current journals, or reviews of recent books. Designed to familiarize the student with the use of scientific publications.

GETTYSBURG COLLEGE

Two periods thruout the year. Credit of four semester hours.

M. 6:30 P.M.

11. GENERAL BACTERIOLOGY—Nature and products of bacteria; their industrial applications; the bacteriology of soil, water, milk, and other food products. Laboratory technique; isolation and cultural studies of micro-organisms. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 11 Lab. S. 10

- 12a. PERSONAL AND PUBLIC HYGIENE—Fundamental problems under the general caption of health conservation, effective for national prosperity through the hygienic habits of the ultimate citizen.

Two periods, first semester. Credit of two semester hours.

W. F. 10

- 12b. PERSONAL AND PUBLIC HYGIENE—Contagious diseases, the social peril of our day, and the place of heredity in race betterment.

Two periods, second semester. Credit of two semester hours.

W. F. 10

Chemistry

Professor ZINN, Associate Professor STOVER, Assistant Professor SLOAT, and Assistants

A major in Chemistry includes Courses 1, 2, 3, 4.

The courses in Chemistry are not designed to prepare specialists in any department of the subject, but to give a general training in the science. The successful completion of these courses will prepare the student to enter on graduate or professional studies in any leading university, or qualify him for a more successful pursuit of any technical business, or fit him to teach Chemistry in secondary schools.

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1. GENERAL CHEMISTRY—A study of the occurrences, properties, uses, and methods of preparation of the more common elements and their compounds and the theoretical principles involved.

Two lectures, one recitation, and three hours of laboratory work thruout the year. Credit of six semester hours.

Sec. 1, M. W. 10 F. 11 Lab. M. 1

Sec. 2, M. W. 10 F. 11 Lab. Tu. 1

Sec. 3, M. W. F. 10 Lab. W. 1

Sec. 4, M. W. F. 10 Lab. Th. 1

2. QUALITATIVE ANALYSIS—Study of the methods commonly used in the analysis of simple salts, mixtures of salts, and various commercial products.

One lecture and six laboratory hours thruout the year.

Credit of six semester hours.

Prerequisite: Chemistry 1 and Mathematics 1 and 2.

Sec. 1, Th. 9 Lab. M. F. 1

Sec. 2, Th. 9 Lab. Tu. W. 1

3. QUANTITATIVE ANALYSIS—Essentially a laboratory course. Familiarity with the work and principles is sought by the solution of numerous problems. Lectures are given as found desirable.

Nine laboratory hours (including necessary lectures) thruout the year. Credit of six semester hours.

Prerequisite: Chemistry 1 and 2.

Lab. Tu. W. Th. 1

4. ORGANIC CHEMISTRY—Systematic study of the compounds of the aliphatic and aromatic series, including the preparation of a considerable number of these substances in the laboratory.

Three lectures and six laboratory hours thruout the year.

Credit of ten semester hours.

Prerequisite: Chemistry 1 and 2.

M. W. F. 9 Lab. M. Tu. 1

GETTYSBURG COLLEGE

5. PHYSICAL CHEMISTRY—The atomic and kinetic theories, simple gas laws, determination of atomic and molecular weights, homogeneous and heterogeneous equilibria, phase rule, colloids, indicators, electrolytic conductance, law of "mass action," and electron conception of valence.

*Two lectures and three laboratory hours thruout the year.
Credit of six semester hours.*

Prerequisite: Chemistry 1 and 2, Physics 1, and Mathematics 3 and 5.

Tu. Th. 9 Lab. Th. or F. 1

6. SPECIAL QUANTITATIVE METHODS—Advanced and applied analysis, such as mineral, ore, and water analysis, the examination of foodstuffs and manufactured articles.

Hours and credit as arranged.

Prerequisite: Chemistry 1, 2, and 3.

9. TEACHER'S COURSE—This course consists of three hours of practical laboratory teaching in General Chemistry including the delivery of laboratory lectures, the marking of quiz papers and the grading of laboratory exercises, and a one hour seminar in which the student will present and become familiar with such subjects as: the historical background of chemistry, the use of the scientific method in teaching chemistry, the selection and evaluation of texts, the problems of the teacher, the conduct of science clubs, scientific periodicals and reference books, the care of the stock room, and the ordering of chemicals.

*One lecture and three hours of laboratory thruout the year.
Credit of four semester hours. Hours as arranged.*

Economics and Business Administration

Professor SABY and Associate Professor LARKIN

A major in Economics and Business Administration consists of twenty-four semester hours, six of which may, with the approval of the adviser, be taken in related fields outside the department.

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- A. ELEMENTARY ACCOUNTING AND INTRODUCTION TO BUSINESS—This course aims to make clear accounting concepts and references to accounting procedure frequently encountered in our daily reading and especially in courses in Economics.

Freshman course. Three lectures and a three-hour practice period thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 1

Sec. 2, Tu. Th. F. 1

1. PRINCIPLES OF ECONOMICS—The purpose of this course is to give the student a thoro grounding in the principles of Economics as a preparation for further economic study and as an aid to intelligent citizenship.

Prerequisite for all other courses in Economics, except Economics A and B.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, second semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

102. MONEY AND CREDIT—The study of money as a medium of exchange and a standard of value, together with an analysis of paper, bimetallic, gold, gold exchange and tabular standards of money. The nature of credit and the use of credit instruments in domestic and foreign exchange.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

103. BANKING AND CREDIT CONTROL—A study of the structure and operation of commercial banking; central banking systems and credit policy; the relation between money, credit and prices.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 9

105. BUSINESS LAW—This course is designed to give the student a knowledge of the legal rights and obligations arising out of common business transactions. The fundamental laws pertaining to contracts, partnerships, corporations, negotiable instruments, sales, etc., are examined.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 10

107. LABOR PROBLEMS—The causes of industrial grievances and the various solutions offered by organized labor, employers, and legislators.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Not given 1935-'36.

6. BUSINESS ORGANIZATION—A study of the various forms of business organization with special reference to the corporation, followed by an analysis and appraisal of the various forms of combination.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

M. W. F. 7:45

108. CORPORATION FINANCE—A study of the financial methods of the average business enterprise in obtaining capital and of its policies in the administration of earnings. Attention is also given to the causes of business failure and the methods of reorganization.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Prerequisite: Economics 6.

M. W. F. 7:45

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9. TRANSPORTATION—A survey of all types of American inland transportation, including rail, water, motor and air transport, with special emphasis on the problem of their coordination. Railway rate structure and regulation will be given careful consideration together with the problem of regulation of the other forms of transportation.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

M. W. F. 11

16. PUBLIC UTILITIES—A comprehensive study of public utilities—their history, characteristics, economic and social implications, present condition and probable future status. Includes an analysis of their valuation, rates of return and regulation.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 11

112. MARKETING—An introduction to the study of marketing followed by a brief treatment of the more important market functions and a description of the institutions set up in our market organization.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Not Given 1935-'36.

18. SENIOR READING COURSE—Supervised reading in the field of Economics and Business Administration.

Open to Seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

GETTYSBURG COLLEGE

Education

(SEE PAGE 32)

Professors KRAMER and SANDERS, and *Assistant Professor*
JOHNSON

A major in Education includes Courses 5, 11, 25. Courses in other departments may be included in a major in Education.

Those who have in mind even vaguely the idea of teaching should consult the Education Department as early in their college work as possible. There are certain requirements which the prospective teacher must meet in order to qualify for the work.

- 1b. HISTORY OF EDUCATION—Beginning with 1931-'32, this course has been a combination of general history of education and history of education in the United States. About nine periods will be given to presenting the ideas of changing aims, changing methods, outstanding educators of the old world who have influenced American education, ancient and mediaeval universities, academic costume and decorum, etc., and a comparison of European and American school systems. Some time will be given to a special study of the history of education in Pennsylvania, and also to that of Gettysburg College. The rest of the time will be given to the study of the history of education in the United States, largely following the topics given in Cubberly's *Public Education in the United States*. The topics will be treated in the light of their practical effect upon our schools. The underlying philosophy will also be stressed. *Sophomore course. Open to Juniors and Seniors. Three periods, either semester. Credit of three semester hours.*

Sec. 2, Tu. Th. S. 7:45 2d Semester

Sec. 4, Tu. Th. S. 9 1st Semester

Sec. 6, Tu. Th. S. 10 2d Semester

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2. **PHILOSOPHY OF EDUCATION**—This course seeks to discover the principles which should govern the aims and the methods of education. It takes into account the nature of man and his capacities for education, and the nature of society and the effects of education on social structure and direction. The course is based on a critical study of John Dewey.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

5. **EDUCATIONAL PSYCHOLOGY**—This course deals with the psychology of learning, educational measurements, intelligence tests, individual differences, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sec. 1, M. W. F. 7:45 2d Semester

Sec. 3, M. W. F. 11 2d Semester

Sec. 5, M. W. F. 1 1st Semester

11. **STUDENT TEACHING**—This course will require observation, participation, and actual teaching for at least one hour a day for the five school days, with one hour a week of conference in connection therewith. The observation, participation, and practice teaching will be done in the appropriate field, in a secondary school, under the direction of the teacher in charge, and under the supervision of one of the Education professors, to meet the requirements of the State of Pennsylvania. This course is open only to those who are approved by committee action.

Senior course. Six periods, first or second semester. Credit of three semester hours.

Prerequisite: Education 5 and 25.

Group conference hours as arranged.

GETTYSBURG COLLEGE

25. INTRODUCTION TO HIGH SCHOOL TEACHING—Techniques of High School Teaching. This is an introductory course to the field of teaching in secondary schools, dealing largely with the techniques of teaching, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45	1st Semester
Sec. 3, M. W. F. 11	1st Semester
Sec. 5, M. W. F. 1	2d Semester

32. SOPHOMORE COMBINATION COURSE—The first third of the course is made up of those topics of Educational Sociology (formerly given as Ed. 12) not covered in other courses; some time will be given to Philosophy of Education not covered elsewhere; a considerable amount of time will be given to the topics usually covered by Principles of Secondary Education not covered elsewhere; and a considerable amount of time to the topics usually covered by Public School Administration not covered elsewhere. (Given for the first time in 1931-'32.)

Sophomore course. Three periods, either semester. Credit of three semester hours.

Sec. 2, Tu. Th. S. 7:45	1st Semester
Sec. 4, Tu. Th. S. 9	2d Semester
Sec. 6, Tu. Th. S. 10	1st Semester

33. SENIOR COMBINATION COURSE—The course includes those phases of the courses mentioned below which have not been covered elsewhere:

Tests and Measurements, about 12 class hours,
 Statistical Methods, about 7 class hours,
 Teaching How to Study, about 6 class hours,
 Extra-Curricular Activities, about 3 class hours,
 The Morrison Plan, about 6 class hours,
 Adolescent Psychology, about 3 class hours,
 Visual Education, about 16 class hours.

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The building up of a proper philosophy of education will be carefully watched thruout. (Given for the first time in 1931-'32.)

Senior course. Three periods, either semester. Credit of three semester hours.

M. W. F. 10

Various departments offer courses in methods. Consult the head of the Department of Education.

Gettysburg College has a chapter of Kappa Phi Kappa, the professional undergraduate national education fraternity. Membership is limited to upperclassmen definitely interested in teaching as a profession. Scholarship and leadership are the qualifications necessary.

English

Professor CLINE, Associate Professors WARTHEN and MASON, and Mr. OSTROM

A major in English includes Courses 1, 2a, 2b, 4, 6, and 10 or 12.

- X** A. ENGLISH COMPOSITION—This course includes a review of grammar, punctuation, and the mechanics of composition; practice in writing exposition, argument, description, and narration, in long and short themes, and in letters; and the parallel study of specimens, and of the principles of rhetoric as they apply to writing. Lectures, recitations, written exercises in the classroom and outside, and personal conferences.

Required course for all Freshmen. Three periods thruout the year. Credit of six semester hours.

Prerequisite: three units of entrance English.

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 9

Sec. 4, Tu. Th. S. 9

Sec. 5, M. W. F. 10

over

GETTYSBURG COLLEGE

Sec. 6, Tu. Th. S. 9

Sec. 7, M. W. F. 11

Sec. 8, Tu. Th. S. 10

- X 1. ENGLISH LITERATURE—The purpose of this course is to develop a reading habit by studying selected plays, essays, short stories, and poetry of the period from 1800 to the present day.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 10

- X 2a. SHAKESPEARE—Careful study of eight or ten of the plays, with the more rapid reading of others, selected and arranged so as to give the student an insight into the development of Shakespeare's mind and art.

Junior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

- X 2b. THE ROMANTIC MOVEMENT—A study of the representative English prose and verse from 1790 to 1832.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

- X 3. ENGLISH NOVEL—The year will be given to the study of the historical development of the English novel, the course being conducted as a seminar.

Open to Seniors majoring in English, and to others if library resources permit. Two periods thruout the year. Credit of six semester hours.

Tu. Th. 11

- X 4a. CHAUCER—Reading of Chaucer's "Canterbury Tales" and other principal poems.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

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- X 4b. EIGHTEENTH CENTURY PROSE—Extensive reading in non-fiction prose by Defoe, Swift, Steele, Addison, Johnson, Burke, and other eighteenth-century prose masters. *Junior course. Three periods, second semester. Credit of three semester hours.*

M. W. F. 11

5. PUBLIC SPEAKING—A practical course in the art of speaking before a class or an audience. Designed for those who need such skill in their work.

Open to the three upper classes. Two periods first semester. Credit of two semester hours. Repeated the second semester.

Tu. Th. 10

- X 6. AMERICAN POETS—The interpretation and analysis of the poetry of the chief American poets from William Cullen Bryant to Sidney Lanier, with reference readings in relevant critical prose and biography.

Elective course for all qualified students. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

- X 9. MODERN DRAMA—A survey of modern drama from Ibsen to O'Neill.

Three periods, second semester. Credit of three semester hours.

M. W. F. 9

10. ENGLISH DRAMA—A survey course in the drama from the liturgical play to the rise of the New Drama.

Three periods, first semester. Credit of three semester hours.

M. W. F. 9

11. PRINCIPLES OF LITERARY CRITICISM—A study of the essentials of taste and literary appreciation.

Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

over

GETTYSBURG COLLEGE

- X 12. VICTORIAN POETRY. A study of the important poets of the nineteenth century from 1832 to 1900.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

13. COMPOSITION COURSE FOR TEACHERS—This course is designed to meet the needs of those students who are preparing to teach English, although other students may be admitted upon adequate preliminary training. The course will consist of a study of the fundamentals of English grammar and rhetoric: analysis of sentence elements and of sentence structure; punctuation; paragraph and theme writing; and such other matters as seem essential to the aim of the course.

Junior and Senior course. One period, second semester.

Credit of two semester hours.

Hour as arranged.

14. SENIOR SURVEY COURSE—A survey course for English majors in their senior year. This course is designed to supply, as far as possible, the material not studied in other courses; and to give a more continuous idea of the development of English literature than it is possible to give in detailed courses based on particular periods.

Open to English majors in their Senior year. Two periods thruout the year. Credit of four semester hours.

Tu. Th. 10

15. ORAL READING AND INTERPRETATION OF LITERATURE—Practice in the reading and interpretation of prose and poetry that students may become effective teachers.

Open to Seniors and also to Juniors if the class is not too large. Two periods, first semester. Credit of one semester hour.

Tu. Th. 9

English Bible

Professor WALTEMYER and Mr. HERSHEY

1. LIFE OF CHRIST—A study of the external aspects of Christ's life as it presented itself to those who witnessed it, with a view to an understanding of its eternal significance. There is a preliminary and brief survey of the rise and progress of the Hebrew people with emphasis upon the religious truths which, through them, were communicated to the world in preparation for the advent of Christ. Required of all Freshmen.

Three periods, either semester. To be preceded or followed by Orientation the same year. Credit of three semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. BETWEEN THE TESTAMENTS—History of the Maccabean and Roman period to the fall of Jerusalem, affording a background for a study of the New Testament.

Open to Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours.

Tu. Th. 10

4. CHRISTIANITY AS HISTORY—An extension of the study of Christianity beyond its Biblical limits, as a continuous religious development from its New Testament origins to the present.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

5. LITERARY STUDY OF THE BIBLE—The Bible as Literature. A study of its literary forms as a guide to appreciation of its inward spirit.

GETTYSBURG COLLEGE

Open to Sophomores, Juniors, and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 10

6. EVIDENCES OF CHRISTIANITY—A study of the theistic evidences and the proofs of the presence and action in the world of a supernatural redemptive power as these appear in the first Christian documents, and in Christian history, dealing with the questions which arise in the effort to intellectualize the content of the Christian revelation.

Junior and Senior course. Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

8. HISTORY OF RELIGIONS—A survey of the history and content of the great ethnic religions, with a view to their comparison with Christianity.

Open to Juniors and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

9. NEW TESTAMENT GREEK—(see Greek 6).

10. NEW TESTAMENT HISTORY AND LITERATURE—A study of the spread of Christianity from Jerusalem, through Palestine, to Antioch, through Asia Minor to Greece and then to Rome, with emphasis on the life and writings of Paul.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

12. THE HEBREW PROPHETS—A study of the prophets and their times with a view of discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order.

GETTYSBURG · PENNSYLVANIA

Open to Sophomores, Juniors, and Seniors.

Two periods, first semester. Credit of two semester hours

Alternates with course 3.

Not given 1935-'36.

Fine Arts

Professor CLUTZ

Survey courses treating the principal art epochs and endeavoring to show how the art of each period is the expression of its spiritual life.

1a. ARCHITECTURE.

One hour per week, first semester. Credit of one semester hour.

W. 7 P.M.

1b. SCULPTURE.

One hour per week, second semester. Credit of one semester hour.

W. 7 P.M.

2a. PAINTING PRIOR TO RUBENS.

One hour per week, first semester. Credit of one semester hour.

Not given 1935-'36.

2b. PAINTING SINCE RUBENS.

One hour per week, second semester. Credit of one semester hour.

Not given 1935-'36.

French

(SEE ROMANCE LANGUAGES)

GETTYSBURG COLLEGE

German

*Professor GRIMM, Assistant Professor VON SCHWERDTNER, and
MR. GUTMANN*

A major in German includes Courses 2, 3, 5, 9 or 110, and 11. Courses A, 1, 5a, 5b, 6, and 8 may not be applied in fulfillment of the literature requirement (see page 30).

- A. ELEMENTARY GERMAN—The essentials of grammar, with exercises; reading of simple prose and poetry.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 2

1. INTERMEDIATE GERMAN—Reading of modern standard prose; private reading may be required. The primary aim of the course is to impart to the student as rapidly as possible a reading knowledge of the language.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance German or German A.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

2. LYRIC AND EPIC—Reading and interpretation of German lyric and epic poetry, with special reference to Goethe; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 9

3. DRAMA—A study of the German drama, with special reference to Lessing, Schiller, Goethe, and the Nineteenth Century; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 10

GETTYSBURG • PENNSYLVANIA

4. LUTHER—An advanced course devoted to the study of selections from Luther's German writings.

One period thruout the year. Credit of two semester hours.

Tu. 2

- 5a. COMPOSITION—A course in the practice of writing idiomatic German. Exercises in Grammar.

One period thruout the year. Credit of two semester hours

Prerequisite: German A.

M. 7:45

- 5b. CONVERSATION—A course in the practice of speaking German.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A.

W. F. 7:45

6. A GENERAL INTRODUCTION TO LINGUISTIC SCIENCE AND COMPARATIVE PHILOLOGY, with special reference to the Germanic Languages. Lectures. Collateral reading is required.

One period thruout the year. Credit of two semester hours.

Tu. 3

7. GERMAN SCIENTIFIC PROSE—Selections of literary merit from authors in the field of the natural sciences.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

8. GERMAN SCIENTIFIC PROSE—Readings adapted to individual needs of students majoring in any of the exact sciences.

One period thruout the year. Credit of two semester hours.

Tu. 4

GETTYSBURG COLLEGE

- 9a. ADVANCED GERMAN PROSE—Cursory reading of more difficult German prose writers in the fields of fiction, history, and philosophy, selected to coordinate with German 9b.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A and 1.

Th. S. 11

- 9b. HISTORY OF GERMAN CIVILIZATION.

One period thruout the year. Credit of two semester hours.

Tu. 11

110. GOETHE'S FAUST.

Senior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

11. CONTEMPORARY LITERATURE—Directed readings.

Senior course. Hours and credit as arranged.

Greek

Acting Professor SHAFFER

A major in Greek consists of twenty-four semester hours above Greek A and may include Philosophy 6a. Courses A, 104, and 5 may not be applied in fulfillment of the literature requirement (see page 30).

- A. FIRST YEAR GREEK—An elementary course for beginners.
Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

- B. SECOND YEAR GREEK—Selections from Xenophon and Homer. Prose composition.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

1. HERODOTUS—Selections.

Three periods, first semester. Credit of three semester hours.

Not given 1935-'36.

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2. GREEK TRAGEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

103. GREEK LITERATURE IN ENGLISH—A series of readings from Greek authors designed to give the student a broad acquaintance with the content of Greek literature. Knowledge of Greek not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

104. GREEK HISTORY—A survey of Aegean civilization from the earliest times to the Hellenistic Age. Knowledge of Greek not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

5. GREEK MUSIC—A study of Greek musical theory and practice, with readings from the sources. Restricted to advanced students.

Three periods, first semester. Credit of three semester hours.

M. W. F. 1

6. NEW TESTAMENT—The Gospels or the Acts of the Apostles.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

7. PLATO—The "Apology" and the "Crito." A study of Socrates.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

8. HOMER—The "Iliad" or the "Odyssey" will be studied with emphasis on the literary qualities of the poems and on the culture of the Homeric age.

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Three periods, second semester. Credit of three semester hours.

Not given 1935-'36.

9. GREEK LYRIC POETRY AND PROSE COMPOSITION—Restricted to advanced students.

Three periods, second semester. Credit of three semester hours.

Not given 1935-'36.

110. GREEK ORATORY—Selected orations and pertinent passages from the Rhetoric of Aristotle.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

12. GREEK COMEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

History

Professor FORTENBAUGH and MR. IDLE

A major in History consists of twenty-four semester hours including Courses 1, 8, 9, and at least three other courses, one of which must be a full-year course. History 1 is prerequisite to all courses in the department, except by special permission.

1. HISTORY OF CIVILIZATION—A survey course beginning with pre-history, with the aim of illustrating the growth of human ideals and institutions. The first semester is a survey of the development of general culture. The second semester treats separately the development of political, economic, domestic, and religious institutions, giving emphasis to modern problems in these fields.

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*Three periods thruout the year. Credit of six semester hours.
Both semesters must be taken and in the regular order.*

Lectures Tu. Th. 11

Discussion sections M. 7:45 and 11

Tu. 7:45, 9 and 10

2. HISTORY OF ENGLAND FROM THE EARLIEST TIMES TO THE PRESENT.

*Three periods thruout the year. Credit of six semester hours.
Alternates with courses 7 and 14. Not given 1935-'36.*

3. HISTORY OF THE UNITED STATES—A survey course beginning with the discovery of America and continuing to the present time.

*Three periods thruout the year. Credit of six semester hours.
By special permission, either semester may be taken, in any order.*

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

5. AMERICAN ECONOMIC HISTORY—A study of the economic life and forces thruout the history of the United States.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

7. HISTORY OF MEDIEVAL EUROPE FROM THE PERIOD OF THE BARBARIAN INVASIONS THRU THE AGE OF THE RENAISSANCE.

Three periods, first semester. Credit of three semester hours.

M. W. F. 10

8. INTRODUCTION TO THE SCIENCE AND METHOD OF HISTORY
This course aims to give the student an introduction to the science of History and to inform him as to methods and aids in teaching, investigation, and appreciation of historical knowledge. Designed for and required of all

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Junior major students in the department, but open, by permission, to all qualified students, especially those who are planning to teach history.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

9. HISTORY OF PENNSYLVANIA—A survey of Pennsylvania History from colonial days to the present. Open only to Junior major students in the department and to other qualified students. The chief requirement in the course is an undergraduate thesis on some phase of Pennsylvania History which may also be offered to the Department of Education in partial fulfillment of its requirement for graduation.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

X 10. POLITICAL AND INTERNATIONAL HISTORY OF EUROPE SINCE 1815.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

11. PERIOD STUDY IN AMERICAN HISTORY—A period in American History to be studied intensively is selected each year. Enrollment in the course is open to qualified students only by permission.

One two-hour period thruout the year. Credit of four semester hours.

W. 1

X 12. AMERICAN SOCIAL HISTORY—A study of a short period, to be selected, is made with the purpose of illustrating the nature of every-day life.

Three periods, second semester. Credit of three semester hours.

Prerequisite: History 3.

M. W. F. 11

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14. POLITICAL AND SOCIAL HISTORY OF EUROPE, 1500-1815.
Three periods, second semester. Credit of three semester hours.

M. W. F. 10

Courses in Greek History and Ancient History of the Near East, Roman History, History of French Civilization, History of Education, and Church History are offered in the Departments of Greek, Latin, Romance Languages, Education, and English Bible, respectively. All interested will consult the announcements of those departments.

Latin

Professor GLENN

A major in Latin includes Courses 101, 102, 103, 104, 113, two courses from 105, 106, 107, 108, and two courses from 109, 110, 111. Courses 109, 111, and 113 may not be applied in fulfillment of the literature requirement (see page 30).

B-C. VERGIL AND OVID—Selections from the "Aeneid" and the "Metamorphoses." For students offering only two or three years of Secondary School Latin for admission to college. This course counts as six semester hours toward graduation.

Students lacking four years of Secondary School Latin and planning to take courses in College Latin other than 109, 110, 111, are required to take this course as a prerequisite.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 11

101. HORACE—Selections from the "Odes," "Epodes,"
"Satires."

Freshman course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

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102. ROMAN POETRY—Selections from the Roman poets ranging from the beginnings to the Christian hymns.
Freshman course. Three periods, second semester. Credit of three semester hours.

M. W. F. 9

- X 103. LATIN PROSE LITERATURE—Selections from the most prominent prose writers from the second century B. C. to the second century A. D.
Three periods, first semester. Credit of three semester hours.

M. W. F. 10

- X 104. ROMAN COMEDY—Selected plays of Plautus and Terence.
Informal lectures on the Roman theatre, the origin and development of Roman drama.
Three periods, second semester. Credit of three semester hours.

M. W. F. 10

105. ROMAN LETTERS—Cicero and Pliny. Collateral reading and informal lectures on the life and literature of the times of Cicero and Pliny.
Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

106. ROMAN PHILOSOPHY—Lucretius, Cicero, and Seneca.
Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

107. MEDIEVAL LATIN—Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the novel, and epic, lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth century to the seventeenth century A. D.
Two periods, first semester. Credit of two semester hours. Alternates with course 105. Not given 1935-'36.

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108. ROMAN ELEGY—Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research.

*Two periods, second semester. Credit of two semester hours.
Alternates with course 106. Not given 1935-'36.*

109. ROMAN LAW—A careful study of the historical development and content of Roman Law by means of textbook, collateral reading, and lectures. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

110. LATIN LITERATURE IN TRANSLATION—A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

111. ROMAN HISTORY AND CIVILIZATION—The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required.

*Three periods, first semester. Credit of three semester hours.
Alternates with course 109. Not given 1935-'36.*

113. LATIN PROSE COMPOSITION.

One period thruout the year. Credit of two semester hours.

S. 9

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Mathematics

Professor ARMS, Assistant Professor CESSNA, and

MR. AMSPACHER

A major in Mathematics consists of at least twenty-four semester hours, twelve of which must be chosen from the following: Mathematics 6, 7, 8, 9, 10, 14. Mathematics 6 (Calculus) is required of all students majoring in Mathematics.

Courses marked (*) may not be offered in satisfaction of the "Pure Mathematics" requirements for either concentration or distribution.

1. PLANE TRIGONOMETRY AND ALGEBRA—Definitions and properties of the trigonometric functions; logarithms; solution of triangles.

Three periods, second semester. Credit of three semester hours.

Prerequisite: one unit of Algebra and one unit of Geometry.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

2. COLLEGE ALGEBRA—Elementary theory of equations, complex numbers, binomial theorem, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: one unit of Algebra.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. (With 5.) ANALYTIC GEOMETRY—The course together with Mathematics 5 includes plane and solid analytic geometry with an introduction to the methods, aims and uses of modern mathematics. They comprise a year course.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: one unit of Algebra, one unit of Geometry and one-half unit of Trigonometry, or Mathematics 1 and 2.

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Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 10

4a. PLANE TRIGONOMETRY AND ADVANCED ALGEBRA—

The course is designed primarily for Engineering students and includes topics in Algebra such as mathematical induction, series, probability, and the like, together with a rapid survey of the essentials of Plane Trigonometry.

Four periods, first semester. Credit of four semester hours.

Required of Freshmen in Engineering.

Prerequisite: one unit of Algebra and one unit of Geometry.

M. W. F. S. 11

4b. INTRODUCTION TO THE CALCULUS—The elements of Analytic Geometry and Calculus for Engineering students.

Four periods, second semester. Credit of four semester hours. Required of Freshmen in Engineering.

Prerequisite: Mathematics 4a.

M. W. F. S. 11

5. (With 3.) ANALYTIC GEOMETRY—This and Mathematics 3 comprise a year course. For description and prerequisite see Mathematics 3 above.

6. DIFFERENTIAL AND INTEGRAL CALCULUS—The fundamental formulae of differentiation with applications; series and the expansion of functions; the definite and the indefinite integral, applications, including areas and volumes.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 5.

Th. F. 1

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- 6a. DIFFERENTIAL AND INTEGRAL CALCULUS—Topics in calculus and its applications for Engineering students.
Four periods thruout the year. Credit of eight semester hours.
Prerequisite: Math. 4a and 4b.

M. W. F. 10 Tu. 9

7. DIFFERENTIAL EQUATIONS—The theory and devices which will enable the student to integrate ordinary and partial differential equations.
Three periods thruout the year. Credit of six semester hours.
Prerequisite: Math. 6.

Th. F. 1

8. MODERN GEOMETRY—A course in advanced analytic or synthetic geometry is offered in alternate years to advanced students.
Three periods thruout the year. Credit of six semester hours.
Hours as arranged. Prerequisite: Math. 6.

9. MODERN ANALYSIS—A course in advanced analysis or the theory of functions is offered to advanced students.
Three periods thruout the year. Credit of six semester hours. Hours as arranged.
Prerequisite: Math. 6.

- 10.* TEACHERS' COURSE—The methods of teaching the secondary school subjects, the history of elementary mathematics, and practice teaching so far as is practicable.
Two periods, or the equivalent, thruout the year. Credit of four semester hours. Hours as arranged.

- 11.* MATHEMATICS OF INVESTMENT—The application of the theory of compound interest to amortization, annuities and life insurance.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

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- 13.* STATISTICS—A first course in economic statistics; the mean, mode, median; correlation, index numbers, and business barometers.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

14. MATHEMATICAL SEMINAR—A course for advanced students in mathematics or science consisting in a discussion of those methods of pure mathematics needed for the study of modern science.

Credit and hours as arranged.

Prerequisite: Math. 5 and Physics 1.

- 15.* COSTS AND DEPRECIATION—Methods of charging depreciation and costs, the preparation of schedules, and an introduction to cost-accounting.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 2 and Economics A.

Tu. 1 Tu. W. 2

Orientation

Professor SANDERS and Mr. HEIGES

The object of this course is to furnish Freshmen a preface to the college course and an introduction to a philosophy of life. The course begins with suggestions on how to study, gives an outline of the principles of self-development, a preface to the idea of scientific-mindedness, studies our social heritages in literature and political and religious institutions, and concludes with an analysis of public opinion and the processes of its formation. Required of all Freshmen.

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Three periods, either semester. To be preceded or followed by English Bible 1 the same year. Credit of three semester hours.

Lecture, one half of class F. 7:45
one half of class S. 8

Sections for Discussion:

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

Philosophy

Professor SANDERS, Associate Professor BASSET, and

MR. HEIGES

A major in Philosophy includes Courses 1, 3, 5, 6, 7 and 8, and may include Greek 7. Philosophy 5 is a prerequisite for all philosophy courses except Philosophy 1 and 2.

1. PSYCHOLOGY—A course in general psychology which aims to acquaint the student with the phenomena of mind, the methods of psychological investigation, and the practical bearing of the various mental functions on the problems of ethics, pedagogy, etc.

Sophomore course. Three periods, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 10

Sec. 4, Tu. Th. S. 10

2. SOCIAL PSYCHOLOGY—A study of the basal tendencies in human nature, forming a transition between psychology, and ethics and sociology. An investigation into the ways in which the human element works towards higher destiny.

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Sophomore course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sections and hours same as for Philosophy 1.

3. LOGIC—An introductory course in the laws of thought. The evolution of the concept, its development into judgment and inference, the systematic function of classification, the explanatory function of generalization, and the methodology of proof and investigation are studied with a view to securing a foundation for the theory of knowledge and effective scientific method.

Junior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

104. INTRODUCTION TO PHILOSOPHY—The course in general psychology suggests the problems of philosophy. The course in Introduction aims to acquaint the student with the content of philosophy, the origin and development of the various problems, the aim and method of philosophy, the results which have been attained, and its relation to the other departments of human thought.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

5. ETHICS—A study of human conduct. The concept of personality and the idea of self-realization, as forming the background of moral judgment, are wrought into a system which explains the origin of the moral motives as well as their implication of God and immortality.

Junior course. Three periods, first semester. Course repeated second semester. Credit of three semester hours.

1st Sem. M. W. F. 10

2nd Sem. Tu. Th. S. 10

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- 6a. HISTORY OF PHILOSOPHY. ANCIENT AND MEDIEVAL PERIOD—This course traces the rise and progress of reflective thought as it appears among the Greeks and culminates in Scholasticism. Special stress is placed upon the Greek thinkers, with a view to acquiring an understanding of the spirit of philosophy.
- Senior course. Three periods, first semester. Credit of three semester hours.*

M. W. F. 11

- 6b. HISTORY OF PHILOSOPHY. MODERN PERIOD—This course covers the period from the Renaissance to the present time. Special stress is placed upon the great systems. The student is required to read selections from the great thinkers and report on them, the constant aim being to cultivate the philosophizing attitude, thus furnishing a basis for independent thought as well as an inspiration to do original thinking.
- Senior course. Three periods, second semester. Credit of three semester hours.*
- Prerequisite: Philosophy 6a.*

M. W. F. 11

7. PHILOSOPHY OF RELIGION—A study of religion as a distinct factor in human development. The aim of the course is to show the nature of religion and to interpret the various forms in which it manifests itself.
- Senior course. Three periods, first semester. Credit of three semester hours.*

M. W. F. 9

8. METAPHYSICS—Beginning with the method of system building, the student is introduced to the meaning of a world-view, the factors which a comprehensive and consistent view must recognize, and the reasons for regarding Theism as the theory which best meets existing requirements.

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Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 4, 5, 6, or 7.

M. W. F. 9

9. **EPISTEMOLOGY**—A study of epistemology investigating the principles of science with a view to understanding their origin, their validity, and their philosophical implications.

Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

10. **EXPERIMENTAL PSYCHOLOGY**—This is an elementary laboratory course in psychology, covering the most essential features in the experimental method.

Open to Seniors and Juniors. Two laboratory periods, second semester. Credit of two semester hours.

Prerequisite: Philosophy 1.

Hours to be arranged.

11. **GENETIC PSYCHOLOGY**—A psychological approach to the traits and problems of children and adolescents, with special reference to mental growth and its significance for the educator.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 11

12. **PSYCHOLOGY OF BUSINESS AND INDUSTRIAL MANAGEMENT**—A course dealing with the applications of psychology in the fields of business, industry, engineering, etc.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1 and Economics 1.

Alternates with course 14.

Tu. Th. S. 11

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113. SOCIOLOGY—A study of the nature of society and its problems. Starting with the psychological factors of sociation, the development of social institutions, the economic and cultural factors of social progress, and the elimination of hindrances, evils are taken up in turn with a view to an understanding of the methods of social improvement.
Junior and Senior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

14. PSYCHOLOGY OF THE ABNORMAL MIND—A psychological approach to the problems of mental deficiency and insanity, with special reference to the detection of abnormal tendencies in children and to mental hygiene.
Junior and Senior course. Three periods, second semester. Credit of three semester hours.
Prerequisite: Philosophy 1 and 2.
Not given 1935-'36.

15. ORIENTAL PHILOSOPHY—This course aims at giving the student an introduction to the fundamental principles underlying the great systems of oriental thought, and the correspondences and contrasts with the thought of the western world.
Senior course. Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

Teachers in the service may enroll for courses outside the regular college schedule provided there is a sufficient number to justify a class.

Physical Education

Professor BILHEIMER and Mr. BREAM

- 1, 2. ELEMENTARY PHYSICAL EDUCATION—Members of the Freshman class electing Physical Education are required

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to take Physical Education 1 and 2. This course consists of one lecture period thruout the first semester on personal hygiene, and two periods (three in the second semester) presenting a natural technique of gymnastic practice involving natural activities.

Three periods thruout the year. No credit.

Sec. 2, Tu. Th. 11

Lecture, Tu. 4

Sec. 4, Tu. Th. 2

Lecture, Tu. 4

- 3, 4. ADVANCED PHYSICAL EDUCATION—Members of the Sophomore class electing Physical Education are required to take Physical Education 3 and 4, an advanced course in natural activities.

Three periods thruout the year. No credit.

Sec. 1, M. W. F. 10

Sec. 3, M. W. F. 11

- 5, 6. THEORY AND PRACTICE OF MAJOR SPORTS—Normal course intended for those expecting to take charge of Physical Education in secondary schools.

First Semester.

A. FOOTBALL—Playing rules from the standpoint of player, coach, and official; history and development of the game; strategy and method of coaching; relation of physical condition to individual and team development.

B. BASKETBALL—Coaching and officiating; modern attack and defense.

Second Semester.

C. BASEBALL—Rules; theory and scoring; discussion of base-running; position play and modern team-play.

D. TRACK—Discussion of important points in coaching track and field events: selection of men; development

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of candidates; eradication of weak points and the development of a well-balanced team.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

7, 8. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

ATHLETIC DIRECTORSHIP IN SECONDARY SCHOOLS.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

Physics

Professor MILLER, Associate Professor REEN, and

MR. AMSPACHER

A major in Physics includes Courses 1 and 3.

1. ELEMENTARY PHYSICS—Mechanics, Heat, Sound, Magnetism, Electricity, and Light.

Three periods and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: college entrance Algebra.

M. W. F. 10 Lab. W. Th. or F. 1

2. ELEMENTARY PHYSICS FOR ENGINEERS—This course covers the elements of Physics with special attention to those parts of the subject which are not developed in detail in engineering courses. Mathematical methods are used thruout.

Three periods and one three-hour laboratory period thruout the year. Credit of six semester hours.

Prerequisite: Mathematics 6.

Tu. Th. S. 9 Lab. Tu. 1

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3. INTRODUCTION TO ADVANCED PHYSICS—Mechanics, Thermodynamics, Magnetism, Electricity, and Light. This course covers the same general ground as Course 1, but with the introduction of higher mathematical processes and with greater completeness of theoretical detail.

Three periods and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: Physics 1, Mathematics 4b or 5.

Tu. Th. S. 10 Lab. M. 1

7. ATOMIC STRUCTURE—Facts and theories pertaining to electrons, atoms, molecules.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Physics 3, Mathematics 4b or 5.

Hours as arranged.

8. ADVANCED THEORETICAL MECHANICS.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6.

Alternates with course 13. Not given 1935-'36.

9. ADVANCED ELECTRICITY AND MAGNETISM.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6.

Alternates with course 14. Not given 1935-'36.

10. ADVANCED LABORATORY PHYSICS.

Credit depends upon the quality and quantity of the work done.

Prerequisite: Physics 3.

12. DESCRIPTIVE ASTRONOMY—A course in general and descriptive astronomy. Recitations and lectures. Elective for all students.

Two periods, second semester. Credit of two semester hours

M. W. 11

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13. THERMODYNAMICS—A discussion of the two laws and their foundation. Applications to gas equilibria, change of state, chemical reactions, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6. Hours as arranged.

14. X-RAYS—The fundamental facts and theories connected with the production and properties of X-Rays, together with a study of the development of the subject. X-Rays in their relation to theories of radiation and of the structure of matter.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6. Hours as arranged.

Political Science

Professor SABY

A major in Political Science consists of twenty-four semester hours, nine of which may, with the approval of the adviser, be taken in related fields outside the department.

1. AMERICAN GOVERNMENT AND CITIZENSHIP—A general survey of the principles and practice of American government for an intelligent comprehension of the duties and privileges of active citizenship.

Prerequisite for other courses in Political Science.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, first semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

3. EUROPEAN GOVERNMENTS—A study of the government and politics of the more important European states.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 9

4. CONSTITUTIONAL LAW—A study of the basic principles of American Constitutional Government.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Tu. Th. S. 9

5. INTERNATIONAL LAW—The development of the rules of international law; the rights and obligations of nations in times of war and peace and the settlement of international disputes.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Not given 1935-'36.

6. BUSINESS AND THE GOVERNMENT—A study of the political, legal, and economic aspects of the relation of government to business.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Not given 1935-'36.

7. MUNICIPAL GOVERNMENT—A study of city government and its problems.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Tu. Th. S. 10

8. POLITICAL PARTIES—A non-partisan consideration of the nature and activities of political parties and of current questions and discussions of party interest.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Not given 1935-'36.

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10. SENIOR READING COURSE—Supervised reading in the field of Political Science.

Open to seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

Romance Languages

Professor BACHMAN, Assistant Professors HAMME and

HARTSHORNE

A major in French or Spanish includes twenty-four semester hours above the A course. Courses A, 1, 4, 5, 6, 107, 8, 9 and 110 in French, and courses A, 1 and 4 in Spanish, may not be applied in fulfillment of the literature requirement (see page 30).

French

- A. ELEMENTARY COURSE—The essentials of grammar. Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

- X 1. INTERMEDIATE COURSE—Grammar and Composition. Reading of a number of modern French authors.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance French or French A.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 10

Sec. 3, M. W. F. 10

- 2a. FRENCH LITERATURE OF THE 17TH CENTURY—Two plays each by Molière, Corneille, and Racine. Selections from French prose writers of the 17th century.

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Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

Alternates with course 2. Not given 1935-'36.

- X 2. FRENCH LITERATURE OF THE 18TH CENTURY—Selections from Buffon, Montesquieu, Voltaire, Rousseau, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 11

- X 3. FRENCH LITERATURE OF THE 19TH CENTURY—Selections from Chateaubriand, Hugo, Lamartine, de Musset, de Vigny, Balzac, Sainte-Beuve, Flaubert, Daudet, Zola, Maupassant, Bourget, Anatole France, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 9

4. OLD FRENCH LANGUAGE AND LITERATURE—This course is especially designed for those who expect to teach French. Selections from Bartsch's *Chrestomathie de l'ancien français* will be read.

Two periods second semester. Credit of two semester hours.

Prerequisite: French 107.

Alternates with course 5. Not given 1935-'36.

5. ADVANCED GRAMMAR—Systematic study of French grammar with special reference to the presentation of grammatical principles in the teaching of French. To be given mainly in French.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: French 2 or its equivalent.

Tu. Th. 9

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6. ADVANCED COMPOSITION AND CONVERSATION.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

Not given 1935-'36.

107. INTRODUCTION TO ROMANCE PHILOLOGY—This course deals with the phonetics and morphology of French, Spanish and possibly Italian. Emphasis will be laid on the phenomena having special significance for teachers.

For majors and minors in French and Spanish.

Two periods first semester. Credit of two semester hours.

Alternates with course 5. Not given 1935-'36.

8. PRACTICAL PHONETICS—French pronunciation and diction. Study of the alphabet of the International Phonetic Association.

One period thruout the year. Credit of two semester hours.

Prerequisite: French A or its equivalent.

Tu. 10

9. HISTORY OF FRENCH CIVILIZATION.

One period thruout the year. Credit of two semester hours.

Alternates with course 8. Not given 1935-'36.

110. EXPLICATION DE TEXTES.

One period thruout the year. Credit of two semester hours.

Hour to be arranged.

Spanish

- A. ELEMENTARY COURSE—Grammar and Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

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1. INTERMEDIATE COURSE—Reading of modern Spanish authors. Prose Composition.

*Three periods thruout the year. Credit of six semester hours.
Prerequisite: two units of entrance Spanish or Spanish A.*

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

2. SPANISH LITERATURE OF THE 16-17TH CENTURIES—
Selections from Cervantes and plays of Lope de Vega,
Calderón, Tirso de Molina, Alarcón, and a few minor
dramatists.

*Three periods thruout the year. Credit of six semester hours.
Alternates with course 6. Not given 1935-'36.*

103. MODERN SPANISH NOVEL—Reading and study of novels
beginning with the Generation of 1898.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

4. SPANISH CONVERSATION AND COMPOSITION—This course is
designed for students who wish to increase their ability
to understand and speak Spanish.

*Three periods thruout the year. Credit of six semester hours.
Prerequisite: Spanish 1.*

Not given 1935-'36.

5. CONTEMPORARY SPANISH DRAMA—Reading of plays of
the outstanding dramatists of the 20th century with a
study of their main characteristics.

*Three periods thruout the year. Credit of six semester hours.
Alternates with course 103. Not given 1935-'36.*

6. NINETEENTH CENTURY SPANISH LITERATURE—Selections
from Espronceda, Saavedra, Zorrilla, and others of this
period. Emphasis on the drama of Romanticism.

*Three periods thruout the year. Credit of six semester hours.
Prerequisite: Spanish 1.*

M. W. F. 11

GETTYSBURG COLLEGE

Spanish

(SEE ROMANCE LANGUAGES)

Engineering

CIVIL ENGINEERING, ELECTRICAL ENGINEERING,
MECHANICAL ENGINEERING

*Professor CLUTZ, Associate Professor REEN, Assistant Professor
SALTZER, and Mr. LANING*

ADVANCED Algebra and Plane Geometry are prerequisite for the Engineering courses. Trigonometry is advised. Students beginning a modern language in college will note that the one year prescribed in the list of required studies is above the "A" course and in this case two years of language are required to absolve the language requirement.

It is impossible to give a complete preparation for any branch of Engineering in a four year course. There are, however, certain fundamental subjects which are essential no matter what line of Engineering is taken up. It is our effort to give a good training in these fundamental subjects; hence during the Freshman, Sophomore and a large part of the Junior year all students take the same courses. Those who are looking toward Electrical or Mechanical Engineering will have the remainder of the work in the Junior year and a part of the work in the Senior year identical. The remainder of the work in the Senior year is more highly specialized.

Students who desire to emphasize the production or business end of Engineering may make certain adjustments, replacing a part of the more technical work by courses in Business Administration and Economics.

A complete schedule of prescribed studies is found on pages 34-36.

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1. ELEMENTARY MECHANICAL DRAWING—Use of drawing instruments, orthographic projections, simple sections, intersections, and developments and lettering.

Two three-hour periods thruout the year. Credit of four semester hours.

Tu. Th. 1

NOTE—The College provides drawing desks, etc., but each student furnishes his own drawing outfit, costing about thirty dollars. Students are urged to avoid the purchase of cheap instruments, which soon become worthless. Engineering students use their drawing instruments thruout their course and for years afterward. The purchase of an outfit of good grade is therefore economy.

- 2a. GRAPHICS—The computation of stresses in frames, especially roof trusses and bridges. Graphical methods are emphasized.

Sophomore course for Civil Engineers. Two three-hour drawing periods thruout the year. Credit of four semester hours.

M. W. 1

- 2b. GRAPHICS—Design of machine parts by the empirical method. Advantage and limitation of empirical treatment stressed. Preparation of working and assembly drawings.

Sophomore course for Mechanical and Electrical Engineers. Two drawing periods, first semester. Credit of two semester hours.

M. W. 1

3. MECHANICS, STATICS, AND DYNAMICS—Forces in equilibrium, simple structures, translation and rotation, work, energy, power. The periods are two hours to give time for a full discussion of problems.

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*Sophomore course. Three two-hour periods, second semester.
Credit of three semester hours.*

Prerequisite: Math. 4a and 4b.

Tu. Th. S. 10

5. **HYDRAULICS**—A study of the mechanics of water at rest and in motion, with applications to a variety of problems relating to the pressure of water and to its flow in natural and artificial channels, pipes, etc.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 6.

Tu. Th. S. 10

6. **STRENGTH OF MATERIALS**—Recitation and laboratory work in the study of the properties of engineering materials. Standard tests of cement, sand, mortar, and concrete are made and compared. The common tensile, compressive, and transverse tests on steel, cast iron, wrought iron, and timber are made and discussed. The solution of practical problems in the use of the materials and simple design work is emphasized.

Junior course. Three periods and one three-hour laboratory period, first semester. Credit of four semester hours. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 6.

M. W. F. 10 Lab. F. 1

7. **ELEMENTARY ELECTRICAL ENGINEERING**—A study of the elementary principles of electricity and magnetism and their application to circuits, electrical machinery, transmission, vacuum tubes, storage batteries, and lighting. Suitable for a general course in electrical theory. Recitation and simple laboratory experiments.

Junior course. Two periods, first semester. Credit of two

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semester hours. Three periods and one three-hour laboratory period, second semester. Credit of four semester hours.
Prerequisite: Mathematics 6.

Tu. Th. 10 Lab. F. 1

Civil Engineering

- A. ELEMENTARY PLANE SURVEYING—An introduction to the use of surveying instruments and computations. Instruction in the use of the slide rule.

Sophomore course. Three periods and one three-hour laboratory period, first semester. Credit of three semester hours.

Tu. Th. S. 11 Lab. Th. 1

11. PLANE SURVEYING—This course gives drill in the use of the more common surveying instruments, in the best methods of keeping notes, and in the computations and mapping required in connection with the usual work of a surveyor.

Junior course. Two periods thruout the year. Credit of four semester hours.

M. W. 9

12. SURVEYING—Practice work done in connection with Course 11. Field work giving a drill in the use of the more common surveying instruments, and work in the classroom plotting surveys, and the making necessary computations.

Junior course. One three-hour period thruout the year. Credit of two semester hours.

Th. 1

13. SURVEYING—Field work. Topographic surveying using a variety of instruments, including the plane table. Railroad surveying. Adjustment of instruments.

Senior course. One three-hour period thruout the year. Credit of two semester hours.

Th. 1

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17. RAILROADS—A course in the economics of railroad construction and operation, maintenance, and valuation.

Senior course. Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

18. STRUCTURAL DESIGN—A course in the strength of materials as applied to the analytical design of structures of wood, steel, and concrete. Beginning with beams the student finally makes all the calculations necessary in the complete design of a plate girder and trusses of the riveted and pin-connected types.

Junior course. One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: Engineering 3.

F. 9 Lab. M. W. 1

- 18a. STRUCTURAL DESIGN—One semester of design in concrete and one in steel. Principally work in design of buildings.

Senior course.

F. 10 Lab. M. W. 1

19. STRUCTURAL DESIGN—The first semester is devoted to reinforced concrete, properties, methods of computation and design. The second semester is devoted to the study of deflections and indeterminate structures.

Senior course. One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

W. 9 Lab. M. W. 1

20. STRUCTURAL DRAFTING—The making of detailed drawings for the component parts of a steel structure. Conformity with the best practice is required, and the drawings are carefully checked.

Two three-hour periods, second semester. Credit of two semester hours.

Not given 1935-'36.

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21. **CONTRACTS AND SPECIFICATIONS**—The elements of contract law as applied to the mutual relations of engineer, contractor, and owner. Critical review of typical specifications and practice in specification writing.

Senior course. One period, first semester. Credit of one semester hour.

M. 7:45

23. **HIGHWAYS**—Recitations on the design, construction, and maintenance of roads and pavements, with especial consideration of the exigencies of present-day traffic.

Senior course. Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

25. **SANITARY ENGINEERING**—Water supply and sewage disposal.

Senior course. Two periods and one three-hour laboratory period, second semester. May be substituted for second semester of course 19 at option of the class.

26. **ENGINEERING SEMINAR**—Oral and written reviews and discussions of current technical articles.

Senior course. One period thruout the year. Credit of two semester hours.

M. 7 P.M.

27. **ENGINEERING ECONOMICS**—A study of the elements other than purely technical entering into the solution of Engineering problems—economic, financial, etc. A survey of methods of production as affected by Engineering considerations.

Senior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

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Mechanical Engineering

31. SHOP WORK—Simple exercises in the formation of green sand moulds, supplemented by lectures on modern foundry practice. Bench and lathe work in wood, elements of pattern making.

Junior course. One three-hour period, first semester. Credit of one semester hour. Hours as arranged.

32. SHOP WORK—Forge practice in iron and steel. Shaping, hardening, and tempering of tools. Machine and bench work in metals. Lectures on modern shop practice.

Junior course. One three-hour period, second semester. Credit of one semester hour. Hours as arranged.

33. KINEMATICS—Theory of mechanisms, instant centers, cams, gears, linkages, velocity and acceleration diagrams, etc. Recitation work supplemented by the solution of practical problems in the drawing room.

Sophomore course. Two three-hour drawing periods, second semester. Credit of three semester hours.

Lab. M. W. 1

34. MACHINE DESIGN—An elementary course showing the application of the fundamentals of mechanics and kinematics to machine design. Analysis of energy and force problems in machines, and proportioning of detailed parts from theoretical and practical considerations.

Junior course. Two periods, first semester. Credit of two semester hours.

M. F. 9

35. MACHINE DESIGN—Application of principles of Course 34 to the design of typical machines, including all necessary computations; working drawings of most important parts, and a finished assembly drawing.

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One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: M.E. 34.

F. 1 Lab. M. W. 1

36. HEAT POWER ENGINEERING—Thermodynamics of gases and vapors, theoretical gas cycles, application of theory to problems of commercial heat engines, engine performances and efficiencies.

Junior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

37. HEAT POWER ENGINEERING—A continuation of Course 36. Fuels, combustion, boilers, gas engines, steam engines and turbines, power house auxiliaries, etc. Efficiency and economy of operation. Selection and combination of elements for power houses.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: M.E. 36.

Tu. Th. S. 11

38. POWER PLANT ENGINEERING—A continuation of Course 37.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: M.E. 37.

Tu. Th. S. 11

39. MECHANICAL ENGINEERING LABORATORY—Calibration of common engineering measuring instruments, such as steam gauges, thermometers, indicator springs; determinations of quality of steam; measurements of power; efficiency tests of boilers, gas engines, pumps, flue gas analysis, etc.

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*Senior course. One three-hour period thruout the year.
Credit of two semester hours.*

Tu. 1

40. AUTOMOBILES—A general survey course covering the operating principles of the mechanisms which constitute the modern automobile. Open to non-engineering students.

Senior course. Three periods, first semester. Credit of three semester hours. Hours as arranged.

41. INTERNAL COMBUSTION ENGINES—A technical course for Seniors emphasizing carburetion theory and design. Particular attention to the study of combustion control. Development of high-speed Diesels included.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 36. Hours as arranged.

Electrical Engineering

45. ADVANCED ELECTRICAL ENGINEERING—Electric and magnetic circuits; vector representation of alternating currents and voltages; theory of transmission lines; direct current machines; alternating current machines; transformers.

Senior course. Two periods and a two-hour problem period thruout the year. Credit of six semester hours.

Prerequisite: Engineering 7 and Math. 6a.

M. W. F. 9

46. CHARACTERISTICS AND DESIGN OF ELECTRICAL MACHINERY—Outline design and predetermination of performance characteristics of transmission lines, transformers, direct and alternating current machinery. Practice in use of standard handbooks.

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Senior course. Three periods, second semester. Credit of three semester hours. May be taken only with E.E. 45. Hours as arranged.

47. ELECTRICAL ENGINEERING LABORATORY—Elementary and advanced experimental work in electrical engineering: the study of polyphase alternating current circuits, shape of A. C. waves; commercial testing of alternators, transformers, synchronous motors, induction motors, D. C. machines, etc.

Senior course. One three-hour period thruout the year. Credit of two semester hours. Laboratory course with E.E. 45.

M. 1

48. COMMUNICATION ENGINEERING—Networks, infinite lines, filters, coupled circuits, bridge circuits, vacuum tube circuits, and other topics applicable to the general study of electrical communication.

Senior course. Three periods, second semester. Credits of three semester hours. Not given same year as E.E. 50 unless sufficiently in demand.

Prerequisite: Engineering 7 and Math. 6a (or 6). Hours as arranged.

50. RADIO ENGINEERING—Fundamental ideas and laws, resistance, inductance, capacity, general view of radio communication, laws of oscillating circuits, spark telegraphy, vacuum tubes and their operation, continuous wave telegraphy, radio telephony, antennae and radiation, amplifiers, etc.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 7, and Math. 6a. Hours as arranged.

Not given the same year as E.E. 48.

Engineering Equipment

For a detailed description of the equipment in engineering see page 131.

GETTYSBURG COLLEGE

MILITARY SCIENCE AND TACTICS

(RESERVE OFFICERS' TRAINING CORPS)

Major EDWARD H. BERTRAM, *Inf.*, U.S.A.

Captain GEORGE E. ABRAMS, *Inf.*, U.S.A.

Sergeant JAMES MASHBURN, *Inf.*, U.S.A.

AS A part of the program for national preparedness, Congress by Act of June 3, 1916, authorized the establishment and maintenance, in civil institutions of learning fulfilling certain requirements, of units of the Reserve Officers' Training Corps, so that in time of national emergency there might be a sufficient number of educated men, trained in military science and tactics, to officer and lead intelligently the large armies upon which the safety of the country would depend. Under the provisions of this Act the President of the United States has established an infantry unit, senior division, of the Reserve Officers' Training Corps in the College and has detailed a regular army officer to serve here as Professor of Military Science and Tactics, another officer and a noncommissioned officer to serve as his assistants. In order to encourage students to enter the corps this Act of Congress makes very liberal provisions, furnishing the members free of charge all the needed equipment in arms, ammunition, uniforms, and, in the case of those taking the advanced course, additional uniforms, training camp expenses, and an allowance in cash for subsistence.

The work includes lectures and class room work, as well as Military Drill and target practice. A course of lectures on Military History, including two lectures on the Battle of Gettysburg, is given each year to members of the Senior Class. These lectures are open to all students.

The mental as well as the physical benefits which a student may derive from this course are obvious; and it supplies in the most approved form that element of training in discipline and obedience to authority which has been largely lacking in

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the educational system of our country. There is a great demand thruout the country for teachers of high school grades who are able to give military instruction.

The Reserve Officers' Training Corps should not be considered solely on the basis of the personal benefits derived in college and its value in semester hours toward a diploma. The nation has in its wise policy selected this means of preparing and securing its officers for a future emergency. The man who neglects this opportunity to prepare will find, in future years, no door open to a commission as an officer in the Reserve Army which is our national defense.

A course, if elected, must be completed, but other than this it involves no compulsory military obligations.

The course in Military Science and Tactics is divided into two parts, each one requiring two years of work.

Basic Course

Any student electing this course must devote an average of at least three hours per week for two successive years to the work required (First Year and Second Year).

Advanced Course

When any member of the Reserve Officers' Training Corps has completed (here or elsewhere) the first two academic years of service, and has been recommended for further military training by the President of the College and the Professor of Military Science and Tactics, he will be furnished by the U. S. Government commutation of subsistence, an allowance of thirty cents per day, extending thru and including the summer recess between the third and fourth years. A student electing to take this advanced course will be required to devote an average of at least five hours per week to the work during the remainder of his college course (Third Year and Fourth Year). He must also attend the training camp prescribed by the Secretary of War between the third and fourth years, his transportation to and from this camp, clothing and subsistence while there, and pay at the rate of seventy cents per day, being furnished by the U. S. Government.

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*Outline of Courses in Military Science
and Tactics*

BASIC COURSE

[[*First Year*]]

Mil. Sci. 1 and 2

1. An introduction to Military Science and Tactics including: Military Courtesy and Discipline; Physical Training, to develop proper carriage and posture; The National Defense Act and the Reserve Officers' Training Corps; Command and Leadership—instruction of the Soldier, Squad and Platoon; Rifle Marksmanship; Hygiene and First Aid.
2. Map Reading; Obligations of Citizenship; Organization; Military History; Individual Infantry Equipment; Combat Principles of the Squad and Section; Command and Leadership—instruction in the Rifle Company, Ceremonies and Inspections.

Three periods thruout the year. No credits allowed.

Class work	{	Sec. 1, M. 2	Drill	} Tu. Th. 7:45
		Sec. 2, Tu. 2	for	
		Sec. 3, W. 2	all	

[[*Second Year*]]

Mil. Sci. 3 and 4

3. Scouting and Patrolling; Military History; Musketry; Command and Leadership—same as outlined in 1 and 2 above (students performing the duties of Squad Leaders).
4. Automatic Rifle; Command and Leadership (students performing the duties of Squad Leaders); Combat Principles of the Rifle Squad.

Three periods thruout the year. No credits allowed.

Prerequisite: Courses 1 and 2.

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Class work	Sec. 1, M. 9	Drill	} Tu. Th. 7:45
	Sec. 2, Tu. 2	for	
	Sec. 3, W. 9	all	

ADVANCED COURSE

[[First Year]]

Mil. Sci. 5 and 6

5. Aerial Photographs; Infantry Weapons (Machine Gun, the 37-mm Gun and 3-inch Trench Mortar); Command and Leadership (students performing the duties of Section Leaders).
6. Field Fortifications; Combat Principles (the Rifle, Machine Gun and Howitzer Company Section and Platoon); Command and Leadership (students performing the duties of Section Leaders).

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 4 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

[[Second Year]]

Mil. Sci. 7 and 8

7. Administration; Military Law and O. R. C. Regulations; Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Military History and Policy.
8. Combat Principles (The Rifle, Howitzer, and Machine Gun Company); Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Signal Communications.

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 6 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

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No student electing one of these courses will be promoted to the next higher class, or graduated from the College, unless he has completed the work of the course for the previous year to the satisfaction of the Professor of Military Science and Tactics.

The appointments of cadet officers and noncommissioned officers for the Corps are made from members of the Junior and Senior classes and from members taking post-graduate courses, provided there is a sufficient number. It is the intention to give the student entering the advanced course the benefit of an opportunity of training in a responsible rather than in a subordinate position.

No military duties in addition to the training courses outlined are required from members of the Reserve Officers' Training Corps.

A student having completed these courses will, on graduation, receive his Reserve Officer's Commission as Second Lieutenant, issued by authority of the President of the United States.

To those who aspire to enter the ranks of regular army officers from civil life the Reserve Officers' Training Corps at Gettysburg College offers unexcelled advantages and opportunities.

Equipment

Located as it is in the heart of the great Battlefield of Gettysburg, Gettysburg College is admirably situated for conducting courses in Military Science and Tactics. This situation is rendered doubly important when one stops to realize that this very terrain is that used for practically all theoretical instruction given in Minor Tactics all over the country. While other units of the R. O. T. C. are issued maps of this terrain for their theoretical instruction, they are compelled to work out practical problems on available local terrain, often poorly mapped. This institution enjoys the advantage of conducting its practical work on the same terrain which is studied in the text furnished by the War Department.

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With the exception of textbooks and shoes, complete equipment is furnished by the Government at no cost to the student. In addition to the service rifles and pistols regularly used for drill and target work, there is on hand a complete set of special infantry weapons consisting of Browning automatic rifles, Browning machine guns, a 3-inch trench mortar, and a 37-mm gun. All these are used for both theoretical and practical instruction.

For the study of Minor Tactics, complete maps, in different scales, are furnished. These maps are all of the terrain in the immediate vicinity of Gettysburg. This collection is supplemented by a B-H Relief Map with which over one thousand combinations of terrain may be made, thus covering every possible formation of ground over which troops may be required to maneuver. A modern sand table for tactical instruction has been installed in the R. O. T. C. laboratory on the ground floor in Glatfelter Hall.

Complete files of all War Department publications are available in unit headquarters. The system of correspondence, filing, and property accounting is exactly the same as that used in the army. Students are thus enabled to receive a well rounded course in Administration and both see and do the practical work.

The office of the Department of Military Science and Tactics is located on the third floor, and the store rooms, armory, and indoor rifle range on the first floor of the Eddie Plank Memorial Hall. Here is stored and kept all the equipment prescribed by the War Department for the use of the Reserve Officers' Training Corps. It is sufficient for thorough instruction in all the courses outlined in this Department.

The indoor rifle range, which is seventy-two feet long and equipped with five targets, is thoroughly modern in all details. It is used by the members of the R. O. T. C. for instruction in Rifle Marksmanship and for firing matches with rifle teams of R. O. T. C. units of other colleges. It is also used by the College Rifle Club, which is affiliated with the National Rifle

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Association. Matches are held with the rifle clubs of other colleges thruout the year. This provides a very interesting and enjoyable recreation.

Financial Benefits of R. O. T. C. to College Men

When a student enters the unit he receives a complete uniform for his personal use during the school year, consisting of the following articles of clothing:

1 Cap and ornament	1 Pair trousers, woolen
1 Coat, woolen	1 Belt, waist
2 Shirts, flannel	2 Ornaments, collar
1 Cravat	1 Ornament, sleeve

For each additional year that he remains in the unit, he receives another complete uniform.

By completing the advanced course, in addition to the use of the uniform for four years the student receives the following from the government in cash:

Commutation of subsistence @ 30c for 590 days . .	\$177.00
Rations in kind at camp.....	31.00
Ration allowance enroute to and from camp.....	8.00
Travel allowance @ 5c for 160 miles (average).....	8.00
Pay while in camp @ 70c for 42 days.....	29.40

Total amount received in four years..... \$253.40

Roster of Officers and N. C. O.'s of R. O. T. C. Unit

Battalion Staff

E. J. NOWICKI, Major, Battalion Commander

E. F. LARSON, First Lieutenant, Battalion Adjutant

Drum and Bugle Corps

G. R. HARKINS, Sergeant, Commanding

C. H. LANGDON, Drum Major

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Company Officers

Captains

COMPANY "A"

H. S. STARE

COMPANY "B"

C. N. KULMAN

COMPANY "C"

F. W. ECHELMAYER

First Lieutenants

C. H. BOMBERGER

R. E. MCCLURE

B. J. ROBERTS

M. F. R. LOWER

A. F. LANGE

G. E. BROWN

R. J. QUICK

O. W. HARTMAN

Second Lieutenants

W. H. KADLE

R. S. NAGLE

N. W. SPENGLER

D. B. DUNLEVEY

D. R. POOLE

First Sergeants

L. E. BARRON

J. R. CHILDS

H. A. DUNKELBERGER

Sergeants

P. N. ASKOUNES

L. S. WEAVER

W. S. ULRICH

K. W. REIGHTER

W. KRUMWIEDE

J. A. DUNKELBERGER

J. A. RILEY

A. C. TILLEY

R. W. LATSHAW

P. L. FREY

E. L. BERGSTRESSER

M. L. BOMBERGER

P. B. AURAND

B. M. BARE

C. W. PRESTON

P. H. CORRELL

C. F. TRUNK

H. G. HORNER

L. E. WESTENBERGER

J. W. MCILHENNY

C. D. OTT

Corporals

M. F. PETERS

R. E. KOONS

F. E. DAVIS

S. B. SHIRK

M. B. FRAZEE

W. B. GILBERT

J. B. KEITH

P. W. WILLIAMS

W. M. SMYSER

R. A. TAYLOR

J. A. MINNICH

R. K. TAYLOR

L. M. SCHADLE

K. P. HULL

L. L. SCHRADER

W. A. TILLEY

D. S. GEISTWHITE

S. F. IRWIN

F. S. GILLESPIE

P. H. HERSHEY

C. S. SANNER

W. R. COMPTON

C. E. LERCH

W. C. HALFPENNY

D. R. WETZEL

R. E. FITZSIMMONS

S. C. DOLLMAN

G. F. SCHNELL

B. C. STROSAHL

J. W. HARNER

R. K. RAFFENSPERGER

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SUMMER SCHOOL

DURING the past few years there has been a demand for summer courses. Much of this arises from the varied preparation furnished by the schools at which the students prepare for college. Some students wish to make up the work required to get in line with the regular candidates for graduation. A number of teachers likewise wish to pursue courses in line with their profession. The present program of advancement in the certification requirements of the State has greatly increased this demand.


In view of these needs the Board of Trustees has authorized a summer session. The school is in charge of the College Faculty and the credits are entered on the College records just as if acquired during the academic year. All students are required to register on June 17. Regular class work will begin on June 18. The session will close on July 27. A sixty-minute period daily will be the equivalent of two semester hours; a ninety-minute period daily will be the equivalent of three semester hours.

All new students will be charged an enrollment fee of five dollars. Tuition at the rate of ten dollars per semester hour credit will be required of all students.

The administration of the summer school has been placed in the hands of the Faculty members participating in it. The Faculty has appointed the following executive committee: Professor John B. Zinn, Director; Professor F. H. Clutz, Professor F. H. Kramer, and Professor R. Fortenbaugh.

Further information and the regular Summer School Bulletin may be had on request from Professor John B. Zinn, Director of the Summer School, Gettysburg College, Gettysburg, Pa.

GENERAL INFORMATION

HE College aims to develop the greatest possible individuality and the highest manhood of the student. The prevailing influences are such as tend to lead young men to an active Christian life and to a full realization of their personal responsibilities. The immediate supervision of the students is in the hands of the President, the Dean, and the Advisers.

Student Council

The Faculty, without lessening its authority and responsibility, has delegated to the student body certain duties in self-government. The students act through a Student Council consisting of four Seniors, three Juniors, two Sophomores, and one Freshman, elected by their respective classes. This Council acts in certain matters of discipline and in matters concerning the general welfare of the student body, and is a medium of communication between the students and the Faculty.

Terms and Vacations

The college year of thirty-five weeks is divided into two semesters. The first semester begins at 11 A. M. on the third Thursday in September and continues, with recesses at Thanksgiving and Christmas, to the end of January; the second semester begins immediately thereafter and continues, with an Easter recess, to Commencement Day, the second Monday of June. The closing days of each semester are devoted to examinations.

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Freshman Week begins at 9:00 A. M. on the Monday preceding the official opening of the college year and closes on the following Friday.

Church Attendance

Gettysburg College believes that regular church attendance is an essential part of the life of any young man. This is particularly true when the student is away from the incentives and restraints of the home. Gettysburg College strongly urges the importance of attending church services at least once a Sunday.

The churches of Gettysburg are eager to welcome the students of the college to their services.

Rules Governing Class and Chapel Absences

The supervision and discipline of student absences are vested in a *Committee on Absences* composed of the Dean, who is ex-officio chairman, and two other members of the Faculty appointed by the President.

When a student registers at Gettysburg College he enters into an agreement to attend every class exercise unless unavoidably detained.

Each instructor shall make a daily report of student absences to the office of the Dean.

A total of one week's absences, those due to prolonged illness and authorized trips excepted, is allowed in each course to take care of necessary absences. Absences above this allowance may be excused by the *Committee on Absences* if the absences within the allowance have been used for reasons satisfactory to the *Committee*. Otherwise they will remain unexcused.

Any student whose general attitude toward his work is, in the judgment of the instructor, unsatisfactory may be reported to the Dean at any time for absolute cut probation in the course.

Any student whose average grade is B will be allowed double this number of absences; this ruling to take effect the semester

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following the one in which the above average was reached. If, however, he is deficient in any subject at the following mid-semester, this privilege is automatically taken away.

Each unexcused absence in excess of the allowance will be penalized by the addition of one hour's credit to the graduation requirement. However, when the number of absences in any course shall aggregate a total of twice the number of hours per week, those due to prolonged illness and authorized trips excepted, the student shall be dropped from the course with an F and the above penalties rescinded.

Absence from any scheduled class on the day before any holiday or vacation or on the day following any holiday or vacation will be penalized by the addition of one credit hour to the graduation requirement, unless previously excused by the *Committee on Absences*.

Students are required to attend a chapel service, Monday to Friday inclusive, at 8:40 A. M. in Brua Chapel. After ten absences in any semester the student is warned; after fifteen absences one hour's credit is added to his requirement for graduation; if he is absent twenty times his case is referred to the *Committee on Discipline*.

A detailed statement of the rules governing absences may be secured in the office of the Dean.

Examinations

Examinations are held in all subjects at the close of each semester or when, during the semester, a subject is completed. Instructors may hold topical or quiz examinations at the time of any of the regular appointments with the class. Absences from these examinations are governed by the rules given above.

Conditions and Deficiencies

No credit is given for a subject reported as E, F, or "Inc," and such a grade remains a deficiency until removed. An "Inc" may be removed by the completion of the work within

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one semester from the time when it was incurred; at the end of that time an unsatisfied "Inc" becomes an F, unless the Faculty shall, because of the student's sickness or for an equally good reason, extend the time for removing the "Inc." An F can be removed only by repeating the semester's work in the subject and the student is held responsible for repeating this subject the next time it is offered. An F in a course for the first semester does not debar a student from the course during the second semester, unless the latter is dependent on the work of the first semester. An E means that the student is entitled to one re-examination within one semester at such a time as the head of the department, in consultation with the Dean, shall appoint, but not within ten days from the time of the original examination. The department shall report the result of any such examination with the grade D if passed, F if failed. The student will be notified by the Dean as to the time and place of the examination, and if he fails to report will receive the grade F.

Before a re-examination may be taken the student must pay to the Dean a fee of three dollars and present to the instructor the Dean's permit to take the re-examination. No student will be allowed to graduate who has an F on his record. One E shall not prevent a student from graduating, provided he has credit for all the prescribed work and all the semester hours required for the given degree, including extra hours imposed for reasons of discipline.

Probation

A. If, in the judgment of an instructor, a student is in any way endangering his scholastic standing, the instructor shall notify the Dean that the student is deficient and on probation in that particular course. At the end of two weeks the head of the department shall notify the Dean whether

- (a) The probation is continued,
- (b) The probation is removed, or

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(c) The student is dropped from the course with the grade of F.

When probation has been removed notification of the fact may be given before the end of two weeks.

B. General Probation involves:

(a) Ineligibility to represent the college in intercollegiate activities or in other activities entailing absence from classes.

(b) The issuance of a warning to parent or guardian, and of notice to the student, the directors of college organizations, and the Faculty.

General Probation is effective the Monday following reports from instructors indicating that the student is failing to meet these requirements:

(a) The student must be doing passing work in at least twelve semester hours of work during the current semester.

(b) He must meet the minimum requirements of the Quality Point system.

(c) The general quality of his work must evidence reasonable progress toward graduation.

General Probation can not be removed before the expiration of one week.

Quality Point System

Quality points are allowed according to grade as follows: for each semester hour with grade of A, three quality points; B, two; C, one; D, none; E, none; F, none.

In general, students are considered deficient and may be required to withdraw from College when they fail to meet the minimum requirements as enumerated:

1. A minimum total of quality points at the end of each semester as follows. Freshman year: first semester, six; second semester, eighteen. Sophomore year: first semester, thirty-three; second semester, forty-eight. Junior year: first semester,

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sixty-six; second semester, eighty-four. Senior year: first semester, one hundred and two.

2. A minimum of three quality points in any semester.

Reinstatement

A student dismissed from college for *any cause* may not be reinstated except by petition to the Faculty. Such petitions will be considered on their own merits and *in no case* will a student be readmitted during the semester immediately following the one in which the penalty was incurred. A student dismissed for misdemeanor loses all credit for work done during the semester. A student who has been reinstated and fails in scholarship a second time will be required to withdraw from college permanently. In any case of reinstatement the student will be on general probation for one year.

Honors

The following honors are awarded at the close of each year.

FINAL HONORS. A student who passes the Comprehensive Examination "with distinction" and whose average grade for four years is 2.75 or above on the Quality Point scale will receive his degree *summa cum laude*; if the grade is 2.5 or above, *magna cum laude*; if the grade is 2.0 or above, *cum laude*.

DEPARTMENTAL FINAL HONORS. Students who have taken the equivalent of a major in a department with an average of not less than 2.5 on the Quality Point scale and who have been recommended by the department will be awarded Departmental Final Honors in that department, provided they have passed the Comprehensive Examination "with distinction" and have submitted a thesis (or equivalent) satisfactory to the department.

CLASS HONORS for Freshman, Sophomore, Junior, and Senior years. *Highest Class Honors* for the designated year will be awarded to those members of these classes who have

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maintained the grade of A in all their studies thruout the year. *Class Honors* for any particular year are awarded to those members of the class who have maintained the grade of A in at least half of the work of the year and do not have a grade below B in any of their studies for the year.

These awards are announced at Commencement and published in the next Catalog number of the BULLETIN.

Stuckenberg Lectureship

Mrs. Mary G. Stuckenberg has given a fund of \$1,000 for the establishment of a Lectureship in Sociology in honor of her late husband, J. H. W. Stuckenberg, D.D., LL.D., by the terms of which the College will have annually a lecture on some phase of Sociology from the Standpoint of Christian Ethics by specialists in this important field. The lecture is given at such time as is convenient to the lecturer chosen for the year.

Bell Lectureship

A fund of \$2,100 from the estate of the late Rev. Peter G. Bell, ex-'60, has been received by the college for the establishment of a Lectureship on the Claims of the Gospel Ministry on College Men. The main object of this foundation is "to keep before the students of the College the demand for men for the Christian ministry and the conditions of the age qualifying that demand."

College Lecture Course

The College Board of Trustees annually appropriates money sufficient to secure a number of the best scholars and speakers in the country to deliver lectures, one of which is given each month on a literary or scientific topic. Some are illustrated, and all are free to the students and to the general public.

Phi Beta Kappa

A charter for a chapter of the Phi Beta Kappa honor society was granted to Gettysburg College in September 1922, and the

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chapter, known as the Iota Chapter of Pennsylvania, was organized January 11, 1923. The chapter elects into its membership during the first semester of each year not more than three members of the Senior class and during the second semester a number from the Senior class not exceeding fifteen per cent of the whole class and not more than twenty-five per cent of the number of candidates for the degree of A.B. The selection from the class is made from those having the highest scholastic standing. Only those are eligible for election who in addition to good moral character and a high scholarship record have satisfied all the requirements for the A.B. degree and have taken in residence at Gettysburg College three-fourths of their work. No one is eligible who has not shown evidence of broad general culture. In making the selection of members, rank in class, literary and similar college activities, qualities of leadership, and promise of usefulness are taken into consideration.

The Phi Beta Kappa Society, which was founded at William and Mary College, December 5, 1776, stands for the highest ideals of scholarship, and embodies the spirit which is historically that of the American College—that of liberal education as distinguished from professional or technical training; and in its elections to membership recognizes those students who give the greatest evidence of devotion to these ideals, imposing upon them the duty of carrying them and the ideals of integrity, honor, and usefulness into the common life of humanity outside the school. In those colleges and universities where chapters exist, election to Phi Beta Kappa is considered the first of all honors.

General Honor Society

Recognizing the desirability of a Senior honor society which would reward both distinction in scholarship and notable achievement in extra-curricular activities, and election to which would be entirely automatic, a group of students presented a tentative constitution for such a society to a faculty

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committee in the second semester of the year 1933-'34. Final action establishing the society was taken by the faculty on December 6, 1934.

The purposes of the society, as stated in the approved constitution, are three: to create a distinctively Gettysburgian agency for the recognition of distinguished scholastic work and meritorious extra-curricular achievement, whether athletic, literary, forensic, or of some other kind; to encourage the participation of the more competent students in activities other than those required for degree credit; and to form an active, non-political group of representative men who, in association with the faculty, will work for a greater Gettysburg.

For undergraduate membership a student must have attained: (1) an average higher than "B" in his major subject, or in two other subjects in which he has taken eighteen hours or more; (2) a general scholastic average not lower than "B" for his work up to and including the first semester of his Senior year; (3) at least twenty points in extra-curricular activities.

Election to membership in the society will occur automatically upon the fulfillment of the requirements stated above. The Dean of the College will publish the names of those elected.

Kappa Phi Kappa

Gettysburg Epsilon Chapter of Kappa Phi Kappa, the national undergraduate fraternity for students in Education, was installed December 18, 1922. Seniors, Juniors, graduate students, and alumni are eligible for membership, which is limited to those definitely interested in the field of Education. Scholarship and leadership are necessary qualifications.

Tau Kappa Alpha

A chapter of Tau Kappa Alpha, an honorary forensic fraternity founded at Butler College in 1908, was installed at Gettysburg College in 1917. The purpose of the fraternity is "to

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recognize excellence in public speaking and to develop and promote interests in oratory and debate among the students of colleges and universities."

Membership is limited to those members of the undergraduate body who have participated in intercollegiate forensic activities, and graduate members who have contributed in an outstanding manner to the general advance of forensics. Invitation to membership, at Gettysburg, usually comes during the upper class years, and as a result of meritorious service in the forensic activities of the college.

The key of Tau Kappa Alpha represents superior attainment as a public speaker, and is much desired by those students taking part in the forensic activities of the college.

Beta Beta Beta

This is a national honorary fraternity for undergraduate students in Biology. Rho chapter is located at Gettysburg College. It was established in 1928.

Sceptical Chymists

The Sceptical Chymists is an organization of chemistry majors and others interested in Chemistry. It is the purpose of the club to train its members in public speaking and to acquaint them with the newer developments in Chemistry. Meetings are held every two weeks thruout the year. The regular program is varied at times by the introduction of motion pictures and by addresses delivered by guest speakers.

Eta Sigma Phi

Eta Sigma Phi is the national undergraduate honorary fraternity of classical students. Alpha Pi chapter was installed at Gettysburg on May 29, 1931. Prior to that time the classical students of the college were organized as the Philhellenic Society. Eta Sigma Phi purposes to promote interests in classical studies, the history, art and literature of ancient Greece and Rome, and also to promote closer fraternal relationship among classical students. Membership is limited to upperclassmen having a serious interest in such studies.

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Phi Sigma Iota

The Tau chapter of the Phi Sigma Iota Honor Romance Language Society was installed at Gettysburg College in 1931. The chapter elects into its membership those undergraduate students who have obtained honors in French and Spanish. The purpose of this national organization is "to recognize outstanding ability and attainments in Romance languages and literatures, and to promote a sentiment of amity between our own nation and the nations using these languages."

Alpha Kappa Alpha

Alpha Kappa Alpha grew out of an earlier organization known as The Sages. The originating purpose of The Sages was the cultivation of the spirit of Philosophy, the honest and persistent search after wisdom. In May 1931 The Sages, finding that the national organization of Alpha Kappa Alpha was fostering the same spirit, joined the national fraternity. The aim remains the cultivation of a closer fellowship together with mutual stimulus in the pursuit of the intriguing and eternally fascinating problem of the nature and meaning of the universe and of human life.

Scabbard and Blade

A chapter of the national honorary military fraternity, Scabbard and Blade, founded at the University of Wisconsin in 1905, was installed at Gettysburg College February 17, 1922, as E Company, Third Regiment, of Scabbard and Blade. This fraternity, composed of the commissioned cadet officers of the Reserve Officers' Training Corps, was organized to promote a general intimacy between the military departments of the various universities and colleges, to develop the essential qualities in officers, to educate men in the military affairs of the country, and to spread intelligent information as to the military requirements of the country. At the present time the fraternity comprises seventy-eight companies including 13,500 members.

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To be eligible for membership in Scabbard and Blade, a student must, aside from being a commissioned officer in the cadet corps, show evidence of high moral and broad general culture, preserve a high scholastic average, and take an active interest in campus affairs. U. S. Army officers and members of the college faculty may be elected as associate or honorary members.

Scabbard and Blade is an honorary military fraternity. Each year two prizes for efficiency in Military Science are awarded by the society:—an engraved saber to the student ranking highest in the advanced course; a smaller prize to the student ranking highest in the basic course. At the annual competitive drill of the R. O. T. C. a large trophy cup is presented to the company displaying the greatest proficiency in close-order drill and maneuvers. Various social functions are also sponsored by the fraternity:—the annual Military Ball; cabin parties and hikes in the mountains when new members are initiated and instructed; banquets at which visiting officers are entertained and given opportunity to speak to the members; and a Senior Farewell Camp in June of each year.

At the summer training camps Scabbard and Blade men from schools over the entire country meet and organize provisional companies for the duration of the camp. In these companies ideas are exchanged and courses of work for the coming year are mapped out. Also, a very close relationship between students and the Regular Army officers, many of whom are members of the society, is maintained.

To be elected to membership in Scabbard and Blade is the highest honor a military student may be accorded, and one well worth striving for. Here it is that the ideals and honor necessary to true citizenship are encouraged and developed.

Prizes

MUHLENBERG FRESHMAN PRIZE—The interest of a fund of \$500, contributed by F. A. Muhlenberg, D.D., LL.D., a former professor in this College, is given at the close of each year to

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that member of the Freshman class in the Classical Course who is found to have attained the highest grade of scholarship.

BAUM MATHEMATICAL PRIZE—Charles Baum, M.D., Ph.D., Class of 1874, of Philadelphia, has contributed \$500, the income from which is to be given annually to that member of the Sophomore class who shows the greatest proficiency in Mathematics.

HASSLER LATIN PRIZE—Mr. Charles W. Hassler has furnished a fund of \$500, the interest of which is annually awarded to that student of the Junior class who, at the end of the year, shall be rated as the best Latin scholar.

GRAEFF PRIZE—This prize was founded by Mr. John E. Graeff, Class of 1843. The interest of a fund of \$500 is awarded for the best English essay from a member of the Senior class, on a subject previously assigned. The decision is made by a committee appointed by the Professor of English.

PRIZES IN DEBATE—The College provides prizes for the encouragement of skill in debating. The first contest takes place about the middle of November between teams chosen by the Sophomore and Freshman classes. The second contest, between teams chosen from the Junior and Senior classes, takes place about the last of November. The third contest, between the first and second victors, takes place about the first of December.

ELINORE TAYLOR BREWER GREEK PRIZE—The Class of 1883 has contributed the sum of \$500, the income from which is annually awarded as a prize to that member of the Sophomore class who has done the best work in the regular Sophomore Greek Course.

SAMUEL GARVER LATIN PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Latin during his Freshman year.

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SAMUEL GARVER GREEK PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Greek during his Freshman year.

MILITARY MEMORIAL PRIZE—The Alumni and friends of Gettysburg College have contributed a fund of \$500, the interest on which is to be awarded annually to the student who has attained the highest standing in either the first or second year of the Advanced Course as a member of the Reserve Officers' Training Corps.

THE EDWIN AND LEANDER M. ZIMMERMAN SENIOR PRIZE—The interest on a fund of \$1,000 contributed by Doctors Edwin and Leander M. Zimmerman is given at the close of each year to that member of the Senior class whose Christian character, class standing, and student influence cause him to be selected as the member of the Senior class who has contributed most to the upbuilding of Gettysburg College.

STINE CHEMISTRY PRIZE—The income from a fund of \$1,000 established by Mr. Charles M. A. Stine, Ph.D., Sc.D., of Wilmington, Del., Class of 1901, is awarded annually, at the end of the Senior year, to a student majoring in Chemistry. The winner of the prize is chosen on the basis of his Chemistry grades, laboratory technique, personality, general improvement in four years, and ability to handle the subject at the time of his selection.

No student shall be eligible for any honor or prize unless he has had at Gettysburg College all the work required for the year or years for which the honor or prize is awarded, unless substitutions shall be approved, at the time of award, by special Faculty action.

Scholarships and Aids for Students

STINE SCHOLARSHIPS—Chas. M. A. Stine, Ph.D., Sc.D., LL.D., of Wilmington, Del., Class of 1901, has established an

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endowment fund which makes available three one-hundred-dollar loan scholarships, known as the Milton H. Stine Scholarships. These scholarships are awarded each year to young men preparing for the Gospel Ministry. Dr. Stine established these scholarships in honor of his father and mother.

BLOUGH SCHOLARSHIPS—Burton F. Blough, of Harrisburg, Pa., a member of the Board of Trustees, has established a scholarship endowment fund yielding three one-hundred-dollar loan scholarships. These scholarships are available on a loan basis to worthy students.

WELLINGTON SCHOLARSHIP—The interest on a fund of \$5,000, bequeathed by Senator George L. Wellington, of Cumberland, Md., is available each year toward the payment of the tuition of a deserving student.

BOARD OF TRUSTEES SCHOLARSHIPS—Endowed scholarships worth thirty dollars each and a limited number of scholarships worth fifty dollars each are awarded annually to deserving students by the Finance Committee of the Board of Trustees. All applications for these scholarships must be made in writing and must state in full the reasons for the request. Such applications must be handed to the President before October 1 of the college year.

KIRSCHNER SCHOLARSHIPS—Mr. and Mrs. C. J. Kirschner, of Hazleton, Pa., have established a scholarship endowment fund of \$10,000 to perpetuate the memory of their son, Alvan Ray Kirschner, who lost his life in the World War. The income from this fund is divided into two scholarships which are awarded to students under certain conditions which give preference to those from Hazleton and vicinity. Applications for the use of these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

ALUMNI LOYALTY FUND LOAN SCHOLARSHIPS—A number of scholarships have been established by contributions received

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through the Alumni Loyalty Fund. Application for these scholarships must be handed to the President not later than the first of June.

MILLER-DEWEY EDUCATION FUND—The income from a fund of \$10,000 established by the late Rev. Adam B. Miller, A.M., a member of the Class of 1873, is annually available for the purpose of aiding deserving persons in obtaining an education at Gettysburg College. The graduates of Loysville Orphans Home have the first claim on these scholarships.

BATEMAN SCHOLARSHIP—The Rev. Sydney E. Bateman, M.D., Class of 1887, has established a scholarship fund of \$500, the income from which is awarded each year to a needy student preparing for the ministry. Applications for this scholarship must be handed to the President before October 1 of the college year.

PARENT EDUCATION SOCIETY SCHOLARSHIPS—The Parent Education Society controls eleven scholarships, worth thirty dollars each, which are open to young men preparing for the Lutheran Ministry.

Every student joining the college unit of the Reserve Officers' Training Corps (R. O. T. C.) receives substantial financial benefits. As outlined in detail on page 100 every member of the R. O. T. C. receives during his college course the necessary uniforms and equipment. During the first and second years, the student is issued for his use a uniform consisting of coat, trousers, two shirts and cap. This uniform remains the property of the United States. During the third and fourth years of the course, the student is furnished with a complete uniform made to his measure. This uniform becomes his personal property when he satisfactorily completes the course. The cash paid directly to the student during the third and fourth years by the War Department for allowances for board, pay, and travelling expenses is about \$250.00. The uniforms furnished during the four years of the course have a value of about

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\$100.00. Hence the total financial benefit to each student during his college course amounts to about \$350.00. As this course, itself of educational value, can be pursued without interfering with the required studies in any course, it should not only be attractive to all students, but should make a special appeal to those who are in need of financial assistance.

Several scholarships of thirty dollars have been endowed and are controlled by congregations, synods, and individuals. The Gettysburg School Board controls a fifty dollar scholarship established by C. W. Thompson, Esq., of Lebanon, Pa. The authorizations from those controlling these scholarships must be handed to the President before October 1 of the college year.

The children of clergymen are each annually awarded a scholarship amounting to one-half of the Tuition and General Fees, that is, \$150, on application to the President before October 1 of the college year. Beneficiaries of synodical aid pay \$250 per annum.

A considerable number of students are given part-time employment by the college in such positions as those of laboratory assistants, dormitory proctors, chapel pianist and chapel chorister, assistants in the offices of the Dean, the Registrar, and the Athletic Department. Others are employed in the Library, and in caring for classrooms, laboratories, and athletic equipment. Unless other compensation is stipulated, thirty-five cents an hour is allowed for these services.

These student appointments are made by the Faculty; applications for such positions must be made in writing on a form provided for that purpose by the Dean and must be filed with him before May 1 of the preceding college year.

Any student wishing to engage in business or to undertake employment during term time is required to obtain permission from the President. Any violation of this rule is regarded as a misdemeanor.

Treasurer's Bills

The bills of the College Treasurer are made out for each semester and include half of each item for the college year.

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The bill for tuition, room rent, electric light, student chest, and laboratory or engineering fees, must be paid in advance at the beginning of each semester.

No student will be graduated until all financial obligations to the College and for class publications and other student interests have been discharged, except when a student has registered a timely protest with the Faculty and the claim for relief has been allowed. Certification of college work or statement of honorable dismissal will not be made until these financial obligations have been met.

College Fees

A Registration Fee of five dollars is required of all students on entering the College for the first time and is payable to the Registrar. For the regulations in regard to registration see page 20.

The annual charge for tuition is \$300 and may be paid in two installments, \$150 being due at the beginning of each semester. This charge is made for instruction; lectures, upkeep and use of grounds and buildings (does not include dormitory room rent); use of library, reading rooms, gymnasium and swimming pool; health and sanitation service. Every student is, however, required to pay a gymnasium locker fee of one dollar per semester during the Freshman and Sophomore years.

Students are required to pay an athletic fee of fifteen **dollars**. This fee admits to all athletic contests played in Gettysburg. It may be paid in two installments, at the beginning of each semester.

Each student pays a fee of ten dollars to be applied by the College Treasurer to the Student Chest Fund for distribution to the various student organizations.

Any student pursuing studies which total less than ten semester hours must pay ten dollars Tuition and General Fee per semester hour.

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Laboratory Fees

	1st. sem.	2nd. sem.	Breakage deposit per sem.
Biology 1, 2, 3, 4, 5.....	\$ 8.00	\$ 8.00	
Biology 6.....	5.00	5.00	
Biology 8.....	8.00		
Biology 11.....	7.50	7.50	
Chemistry 1.....	10.00	10.00	\$3.00
Chemistry 2, 4.....	10.00	10.00	5.00
Chemistry 3.....	10.00	10.00	7.00
Chemistry 5.....	10.00	10.00	
Education 11.....	10.00		
Engineering CE-A.....	5.00		
Engineering 6.....	7.50		
Engineering 7.....	5.00	
Engineering 12, 13, 31, 32, 47....	5.00	5.00	
Engineering 39.....	2.50	2.50	
Physics 1, 3, 10.....	7.50	7.50	

In addition to these fees a charge is made for apparatus broken or not returned in good condition.

Boarding

The College does not maintain a dining hall. The students receive board in clubs and with private families at a cost of from five to six dollars per week.

Estimated Cost of a Year in College

The expenses of a college student depend largely on the training and habits of the individual. To aid the student rooming in a College dormitory to calculate the probable cost of a year in college at Gettysburg the following estimates are submitted:

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(A) ITEMS ON COLLEGE BILL

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition and General Fees.....	\$300.00	\$300.00	\$300.00
Room rent and heat (half dormitory room).....	17.00	30.00	50.00
Electric light (one lamp).....	10.00	10.00	10.00
Athletic Fee.....	15.00	15.00	15.00
Student Chest.....	10.00	10.00	10.00
Payable to College.....	\$352.00	\$365.00	\$385.00

(B) OTHER EXPENSES

Board for 35 weeks.....	\$175.00	\$192.50	\$210.00
Laundry.....	25.00	30.00	35.00
Books and stationery.....	25.00	30.00	35.00
Estimated cost for college year	\$577.00	\$617.50	\$665.00

To the preceding should be added laboratory or engineering fees in case the student takes courses involving such charges. The cost of furniture and clothing, railway fare, and other personal expenses is not included.

College Dormitories

The following rules govern the assignment of dormitory rooms in Pennsylvania Hall and McKnight Hall.

Non-resident students are required to room in the college dormitories unless excused by the Dean. Non-resident students rooming outside the dormitories will be charged \$7.50 each semester for this privilege, when dormitory accommodations are available, unless, for special reasons, this charge is remitted by the Faculty.

No reservations of rooms beyond the actual needs of the student are permitted. No student is allowed to change his room without permission, and if he is allowed to do so, must sign a new rental contract.

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Guarantee and Damage Deposit.—Every student rooming in a dormitory is required to sign a contract binding him to pay the rent and to occupy the room himself throughout the year. A deposit of ten dollars must accompany the contract, this deposit to be held as a guarantee and damage fund to cover breakage or any other damage to the room during the year. On June 15, the deposit, with the damage charge determined by the appraiser deducted, is refunded to the student. In case the student fails to take the room, the full deposit will be forfeited unless the college has been notified on or before August 15.

Key Deposit.—Every student rooming in the dormitory is required to pay to the Dean a key deposit of one dollar, said deposit to be refunded upon the return of the key to the office of the Dean. All dormitory keys must be surrendered on or before June 15 of each year or the deposit is forfeited.

Reservations by Members of the Student Body.—All rooms are declared vacant May 1 of each year. On this date the reservation of rooms for the next college year begins. Students desiring to remain in the rooms that they have been occupying have that right, provided they make application and sign the rental contract at the Dean's office before May 8. After that date all rooms not reserved in this manner are open for assignment, on the days announced by the Dean, to the members of the several classes in the following order: Juniors, Sophomores, Freshmen. Within the respective classes the rooms are assigned in the order in which the applications are received.

Reservation by New Students.—On May 20 rooms not yet reserved are available for new students. Applications should be mailed directly to the Dean, who will make the assignments in the order in which the applications are received. The application must state the type of room desired: single, double, or suite. Because of the limited number of rooms available, prospective students are urged to make their reservations in the early part of the summer.

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Dormitory Room Furniture.—All rooms are furnished by the occupants. Students graduating from college or changing from one room to another usually sell their furniture to the new occupants at a fair price mutually agreed upon. This plan is regarded as highly desirable by the college authorities. The Finance Committee of the Board of Trustees has engaged a competent appraiser not directly connected with the college to determine the value of the furniture when asked to do so. When students are unable to agree on the price of the furniture in a room, this appraiser will serve as an expert to adjust the matter. Any failure to make an adjustment on the basis of the findings of the appraiser must be referred to the Dean.

Student Property.—The College disclaims all responsibility for the care or safety of any property belonging to students. With the exception of furniture, mattresses, tacked-down carpets, and window shades, any student property left in a dormitory room during the summer vacation should be securely packed in barrels or boxes distinctly marked with the owner's name and the number of his room. No property should be left in closets or bureau drawers. This is to insure against possible loss and to facilitate the cleaning of the rooms.

Students Transferring to Other Rooms for the Following Year. In order to have the dormitory rooms available for the new occupants, especially for the incoming Freshmen, all students signing up for new rooms for the following year are required to transfer their furniture, either to the rooms they are to occupy or into storage, on or before June 15 of that year. Both room and key deposit will be held until this transfer has taken place.

Room Rent

The charge for room rent, including steam heat, is given below for each room in the above-mentioned dormitories, and covers the period commencing the Monday before College opens in September and ending the Friday after College closes

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in June, with the exception of the Christmas vacation. The occupants of a room pay equal parts of the rental. Not more than two students are allowed to occupy one room or suite except in the cases of some of the larger suites. P indicates Pennsylvania Hall; McK, McKnight Hall.

\$34.00: 106, 108, 120, 122, 124, P.

\$36.00: 105, 107, 119, 121, 123, P.

\$38.00: 340, McK.

\$42.00: 103, 125, P.

\$44.00: 101, 127, P; 140, McK.

\$54.00: 111, 117, 118, P; 335, 336, 343, 344, McK.

\$56.00: 104, 126, P.

\$60.00: 240, McK.

\$62.00: 206, 208, 210, 220, 222, 224, 306, 308, 320, 322, 324, 406, 408, 410, 420, 422, 424, P; 337, 338, 341, 342, McK.

\$64.00: 205, 207, 219, 221, 223, 305, 307, 319, 321, 323, 405, 407, 419, 421, 423, P.

\$76.00: 232, 231, 245, 246, McK.

\$78.00: 204, 211, 217, 226, 304, 326, 404, 426, P.

\$82.00: 202, 203, 225, 228, 302, 303, 325, 328, 402, 403, 425, 428, P.

\$84.00: 201, 227, 301, 327, 401, 427, P.

\$100.00: 134, 146, McK.

\$104.00: 133, 137, 138, 141, 142, 145, McK.

\$106.00: 218, 312, 318, 412, 418, P; (suites of two rooms).

\$112.00: suites 331-333, 332-334, 345-347, 346-348, McK.

\$118.00: 242-244, 241-243, 235-237, 236 and 238, McK; (suites of two rooms).

\$120.00: 311, 317, 411, 417, P.; (suites of two rooms).

Rooms 111, 117, 118, 218, 312, 318, 411, 412, 417, 418, P, include a large study and good-sized bedroom. Odd numbers are on the south side of the building in Pennsylvania Hall and on the west side of the building in McKnight Hall.

The cost of electric light, five dollars per semester for each 40-watt Tungsten lamp or its equivalent, is charged on the regular College bills. Any damage done to a room will be


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charged up against the occupants. Only the Superintendent of Buildings and Grounds is allowed to change the locks on doors. The rooms must at all times be accessible to the College authorities. The occupants of a room will be held personally responsible for the order maintained in that room. Students disregarding Faculty or Student Council Dormitory Regulations will forfeit their rights as occupants. All the dormitories and student living rooms are subject to a weekly or semi-weekly sanitary inspection by the Medical Director of the College.

The Dean will be glad to furnish any additional information that may be desired about dormitory rooms as well as rooms in the homes of families living in town.

MATERIAL EQUIPMENT

Library and Reading Rooms

HE Library collection, at present numbering about fifty thousand volumes, together with a serviceable pamphlet and periodical collection, is in process of revision to meet the needs of the various departments of the college. The Dewey decimal system of book classification, now in use, is being replaced by the Library of Congress system, which is better adapted to the needs of a college library.

The appropriation for the Library is being increased constantly to meet the standards of adequate service. Generous book donations, such as the Zimmerman and Stuckenberg collections, book funds from the income of the College for the needs of each department, and a fund for the purchase of books granted by the Carnegie Corporation of New York in the fall of 1931 assure a current supply of authoritative material. The printed card catalogue, based upon bibliographic principles and arranged in dictionary order by author, title, and subject, facilitates access to the resources of the library. A reference collection of encyclopaedias, dictionaries, almanacs, atlases, and yearbooks is available for consultation. To aid instruction in the various departments, the Freshman class is taught the research use of a library.

In the fall of 1929, a new library building was opened to the students. This building, designed in the Georgian style to harmonize with the other buildings on the campus, is made of faced brick with a granite base and cast stone trim. The facade of the building is divided into three units: a large central motive is flanked by lower wings which project slightly in front of the central structure. Complete in every detail

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of its equipment, the building has a book capacity of one hundred thousand volumes and a seating capacity of three hundred readers. Provision has been made in the library for seminar rooms, stack space, reference and general reading-room needs. There are periodical reading-room facilities, a browsing room, and adequate accommodations for the library administration.

The library is open from 8:30 A. M. to 12 noon, from 1 P. M. to 5 P. M., and from 7 P. M. to 10 P. M., Monday to Friday inclusive, and from 8:30 A. M. to 12 noon Saturday. The library is closed Saturday afternoon until after the Thanksgiving recess, Saturday evening, Sunday, on such official holidays as are listed in the College catalog, and during the public lectures sponsored by the College.

To achieve the best results in administration, certain Faculty regulations are in force with which all readers are requested to comply.

Laboratories

The Biological Laboratories, on the main floor of Breidenbaugh Science Hall, consist of two large, well-lighted, communicating rooms, with an adjoining office and a lecture room. They are supplied with microscopes and all the other appliances necessary in carrying on the work of the courses outlined in the Department of Biology.

The Chemical Laboratories in Breidenbaugh Science Hall, as described on page 134, are amply equipped with all the conveniences, apparatus, and supplies required for general and analytical chemistry, including work in organic preparations, proximate analysis, examination of water, and other special subjects.

The Physical Laboratories, also in Breidenbaugh Science Hall and described on page 134, are equipped with modern and carefully selected apparatus for both elementary and advanced work and for lecture demonstrations. Alternating and direct electric currents are supplied at different points by means of a central switch-board, a motor generator, and a storage

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battery. The apparatus includes a mercury diffusion pump, high grade balances, spectrometers, photometer, stereopticon, D'Arsonval galvanometers, Wheatstone bridges, potentiometers, voltmeters, standards of resistance, capacity, electromotive force, and self-induction; ammeters and voltmeters for direct and alternating currents; a complete dynamo and motor set illustrating different types of direct and alternating current machines (induction, synchronous, three-phase, etc.); an induction coil giving an 8-inch spark; high frequency coils; electric wave apparatus; telegraph and telephone outfits; and cathode ray and X-ray tubes.

Engineering Equipment

The equipment in the Engineering Departments is modern and adequate and is being augmented as necessity demands.

Instruction in mechanical drawing is given in a large room in Glatfelter Hall. The department is well equipped for the purpose and is supplied with drawings illustrating the best recent practice.

The surveying equipment serves for practice in all kinds of surveying. It includes transits, levels, plane tables, traverse boards, planimeters, level and stadia rods, tapes, and the usual hand instruments.

The facilities for materials testing include a 100,000 pound Riehle universal testing machine, with the necessary measuring instruments for the determination of the physical properties of steel, cast iron, wrought iron, timber, concrete, etc. There is also a cement laboratory, with a Riehle tensile briquette machine of 1,000 pounds capacity, and a variety of other apparatus for making all the standard physical tests of cement, sand, and mortar.

The pattern shop, located in a commodious room in the basement of Glatfelter Hall, is supplied with speed lathes and an oilstone grinder, also numerous benches and hand tools, all of the most modern type. In addition there has been provided foundry equipment of an elementary nature for illus-

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trating the fundamental principles of moulding. The College has installed a medium-sized engine lathe, a drill press, emery wheels, and numerous vises and bench tools. A portable forge with the usual collection of small tools has been added.

An Electrical Engineering laboratory has been established. There are facilities for work in both direct and alternating current phenomena. The apparatus includes several direct current motors and generators, a rotary converter, a synchronous motor, several polyphase and single phase induction motors, a number of transformers, and an assortment of direct and alternating current measuring instruments.

The Mechanical Engineering laboratory includes steam engines, a steam boiler, a gas engine, and automobile engines, together with the necessary indicators, injectors, colorimeters, and meters for making complete engine and boiler tests.

Buildings

PENNSYLVANIA HALL, erected in 1836-'38, was remodeled and improved in 1889, and again in 1925. It contains ninety rooms for students, many of them *en suite*, so that those who may wish can have separate study and sleeping rooms. The rooms are all heated by steam and lighted by electricity. On the first, second, and third floors are complete lavatories with hot and cold water.

McKNIGHT HALL, erected in 1897, is a dormitory building of three stories accommodating about fifty students. It is named in honor of Harvey W. McKnight, D.D., LL.D., Class of 1865, fourth President of the College. It is finished entirely in hard wood, heated by steam, and lighted by electricity. The first floor has eight rooms with spacious closets. These rooms may be used by one or two occupants, as preferred. On the second floor all rooms are *en suite*, each suite consisting of a study with one bedroom or two. These are also provided with closets. The third floor is divided into sixteen single rooms.

GLATFELTER HALL, erected in 1888-'89 and extensively remodeled in 1929, is used for general college purposes. It is

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named in honor of the late P. H. Glatfelter, of Spring Grove, Pa., a former trustee, who, with his family, has contributed largely to the college. A generous gift of more than \$100,000 from a friend of the College made possible the recent rebuilding of the hall. The building is fire resisting thruout, and marble, wrought iron, and terrazzo have been skillfully used in the construction of the corridors.

A unique system of departmental arrangement provides for recitation rooms on each side of the private office of the head of the department. All recitation rooms in the building are large and well lighted. The floors are of cork tile cemented over a solid base of reinforced concrete. Large new blackboards and bulletin boards have been provided for each room.

Improvements have been made in every detail of the structure. Steel has replaced much of the wood in the roof; new bearing partitions have been constructed of gypsum tile; windows have been caulked and weather-stripped to prevent leakage of air; and new doors of steel kalamein and bronze have replaced the old ones.

In addition to the improvements made in the building itself, others have been made in the nature of its equipment. Movable chairs of the writing-arm type are used in all classrooms, rest rooms have been provided, and new lighting and heating fixtures have been installed. These improvements have made Glatfelter Hall one of the finest and most complete recitation halls in the state of Pennsylvania.

The first floor is occupied by the offices of the College Administration and by the Mathematics, Philosophy, and German Departments. The Departments of English, History, Latin, Greek, Romance Languages, and English Bible have their headquarters on the second floor. The Departments of Political Science and Economics, Education, and Engineering are on the third floor. In the basement are located the classrooms of the Department of Military Science and Tactics and the laboratories of the Engineering Departments.

BRUA MEMORIAL CHAPEL, erected in 1889-'90, is the gift of the late Col. John P. Brua, U. S. A., as a memorial to his

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parents. This building is used for daily prayers, and for Commencement exercises, lectures, and other occasions requiring a large audience room.

BREIDENBAUGH SCIENCE HALL is located north of the Robert Weidensall Y. M. C. A. building and is built of brick, colonial style. It is occupied by the Departments of Chemistry, Physics, and Biology. It contains two floors, a well lighted basement, and a large attic. The part of the building devoted to Chemistry consists of one large lecture room, with 205 seats, three smaller recitation rooms, five laboratories, two offices, a reading room, one balance room, and a stock room on each floor, with a large stock room in the basement and a preparation room adjacent to the large lecture room. About 400 students can be accommodated in the Department of Chemistry.

The part of the building devoted to the Biology Department consists of two laboratories, a lecture room, and an office, all equipped with modern furniture. The apparatus includes an autoclave, a projection lantern, microtomes, microscopes, kymographs, sterilizers, ovens, incubators, models, charts, skeletons, preserved and living material, and histological and embryological preparations necessary for a well-rounded course in Biology. To meet the increasing enrollment in the department additional apparatus is being added from year to year.

The part of the building devoted to Physics contains a large lecture room, four large laboratories, a photographic dark room, a photometer room, a store room, three apparatus rooms, a shop, and an office. The building is fitted with the most approved appliances and is well adapted to the teaching of the fundamentals of Biology, Chemistry, and Physics.

EDDIE PLANK MEMORIAL GYMNASIUM, a large and imposing structure of Georgian type, stands on the west campus as a tribute to one of the best known and best loved men who ever enrolled at Gettysburg College. It fulfills the combined functions of a gymnasium, social center, armory, and auditorium.

The lower floor is occupied by the R. O. T. C. with their rifle range and other facilities for instruction. Here also are

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locker and dressing rooms, showers, and living quarters for the caretaker. On the main floor are the offices of the Athletic Director and his assistants and the Medical Officer of the college, a memorial room, the gymnasium proper, with splendid facilities for all indoor sports, and a finely equipped stage and offices for the Owl and Nightingale Dramatic Club. On the second floor we find a balcony containing a rest room for ladies, a motion picture booth, other offices, and, at the stage end, dressing rooms and scene docks.

The building as a whole offers every opportunity for wholesome exercise and recreation. It overlooks Nixon Field on the one hand and Memorial Field on the other and is thus most conveniently located for all athletic purposes.

ROBERT WEIDENSALL Y. M. C. A. HALL is located immediately south of the Breidenbaugh Science Hall and is built of brick, colonial style. On the first floor the two main entrances, one from the east and the other from the west, admit to a large and attractive lobby and reception room. Here students meet for social intercourse and entertain visiting members of their families and friends. Adjoining these is a Ladies' Rest Room for the accommodation of women visitors. The College Reading Room, the Recreation Room, a kitchenette, and the offices of the Y. M. C. A. and Alumni Secretaries are located on this floor. On the second floor there is a commodious assembly room especially designed for prayer services and other religious meetings for students, as well as the Bible Study Room, the Mission Study Room, a Committee Room, and living quarters for the resident Y. M. C. A. Secretary. The chief feature of the basement is a swimming pool twenty feet by sixty feet for the free use of the students under careful sanitary regulations. There is also a locker room, a shower room, a room for the heating and filtering plant, and a room for the attendant. There are lavatories conveniently located on each floor. The building is named in honor of Robert Weidensall, LL.D., Class of 1860, the cost of construction having been assumed by the Woman's League of Gettysburg College.

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INFIRMARY. A well appointed Infirmary has been added to the College equipment. An eleven-room house, owned by the College, was remodeled and thoroly adapted to the care of sick students. Its arrangement is such that contagious cases are completely isolated from those of a general or non-contagious character. Painted walls and linoleum-covered floors insure quiet and sanitary conditions. The bathroom facilities are adequate and a diet kitchen with an electric stove is provided. The Infirmary has steam heat and is electrically lighted. An electric annunciator in the nurse's room is connected with a call button at each bed. All the wards have an abundance of natural light and are provided with the necessary cots, bedding, and furniture. An experienced resident graduate nurse has been secured and is on duty. The Medical Director of the College has general supervision.

Adequate provisions exist, therefore, to take care of cases of sickness that may occur among the students.

The Boiler House supplies the steam required for heating all the College buildings.

Besides these buildings there are on the campus the President's house, five halls erected by Greek letter societies, and two houses for janitors.

A professor's house, donated by Professor George D. Stahley, M.D., Class of 1871, has been erected on College ground, at the corner of Carlisle and Stevens Streets.

NIXON ATHLETIC FIELD, at the north end of the College grounds, covers an area of over seven acres. It affords room and facilities for all kinds of outdoor sports. To the north and east of the field more than a dozen tennis courts have been laid out for the use of the students.

MEMORIAL FIELD, just west of the Eddie Plank Memorial Gymnasium, was constructed at a cost of approximately \$25,000. It is perfectly drained and contains a steel and concrete grandstand.

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Class Memorials

As testimonials of their love for their Alma Mater and substantial tokens of gratitude for what she has done for them, the classes indicated below have donated memorials to her as follows:

CLASS OF 1883—On the thirtieth anniversary of their graduation, the members of this class donated \$500 to the College, the income from which is awarded annually, under the name of the Elinore Taylor Brewer Greek Prize, to that Sophomore who does the best work in the regular Greek class.

CLASS OF 1892—On the thirty-fifth anniversary of their graduation the class of 1892 presented the memorial gateway opposite Stevens Street, north of McKnight Hall. The cost of this gateway was \$2000.

CLASS OF 1893—On the twentieth anniversary of their graduation, the members of this class presented the fine memorial gateway at the main entrance of the College campus. The approximate cost of this structure was \$1500.

CLASS OF 1899—On the fifteenth anniversary of their graduation, the members of this class presented the furnishings of the classroom for the Department of Philosophy and Education and a departmental library for that department. This equipment, costing nearly \$600, was presented as a Class Memorial to their classmate, the Rev. Jacob Hiram Straw, who died in the African mission field.

CLASS OF 1902—This class presented to the College a concrete walk extending from the entrance into McKnight Hall to the driveway in front.

CLASS OF 1906—This class gave a concrete walk that runs across the entire front of Pennsylvania Hall, connecting the various entrances.

CLASS OF 1907—This class paid for the wiring of all the halls and rooms of Pennsylvania Hall for electric light.

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CLASS OF 1912—This class erected the handsome light post in the center of the campus, with its cluster of five large electric light globes, and put down a concrete walk extending from this central point to Pennsylvania Hall, much of the actual labor being done by the members of the class.

CLASS OF 1913—The gift of this class was a concrete walk which extends from Pennsylvania Hall to Glatfelter Hall, connecting with the Gymnasium, and widening into a plaza in front of the entrance to Glatfelter Hall, with two handsome electric lamp posts on the two outer corners of the plaza. This class also put down part of the concrete walk in front of Thaddeus Stevens Hall.

CLASS OF 1914—This class gave a concrete walk which reaches from the main gateway to the center campus light, together with three walks extending to Brua Chapel.

CLASSES OF 1916 AND 1917—These two classes presented a concrete walk reaching from Thaddeus Stevens Hall to the Corner of Carlisle and Stevens Streets. All the labor of putting down this walk was done by the members of these classes.

CLASS OF 1917—On the fifteenth anniversary of their graduation, as a memorial to Edward Swoyer Breidenbaugh, Professor of Chemistry at Gettysburg College from 1874 to 1924, this class presented a handsome sundial which marks the spot where the old chemical laboratory once stood.

CLASS OF 1920—This class presented the electric light standards on the portico of Pennsylvania Hall.


CLASS OF 1921—This class paid for the concrete walk and steps extending from the main campus gateway to the Library.

CLASS OF 1922—The cases in the Robert Weidensall Y. M. C. A. Hall, containing the athletic trophies won by Gettysburg College students, were donated by this class.

CLASS OF 1928—This class paid for the concrete walk in front of the Eddie Plank Memorial Gymnasium.

STUDENTS' INTERESTS

Debating and Oratory

HE Forensic Arts are under the supervision of the Debating Council, which is composed of the varsity debating squad, the class debating teams, and the three men ranking highest in the annual oratorical contest, together with the Debating Manager and the coach. This organization arranges a schedule with a number of other colleges for contests in debate and oratory, thus giving ample opportunity for every man to prove his ability. A special duty of the Council is to arrange an extended tour every year for one of the varsity teams, thereby offering an additional advantage. A series of interclass debates is staged each year in which the winning teams of the preliminaries contend for the interclass championship. In addition to this, a junior varsity squad is kept in training, and is given the opportunity to participate in at least one intercollegiate debating contest.

The College is a member of the Pennsylvania Intercollegiate Oratorical Union, of which Franklin and Marshall, Muhlenberg, Bucknell, and Ursinus are associated members, and each year sends a representative to the annual contest. A local contest is held to select the representative. Membership in any of the debating teams is determined by a system of competitive try-outs, for which all students are eligible.

A chapter of Tau Kappa Alpha, a national fraternity whose purpose is to encourage proficiency in the Forensic Arts, is located at Gettysburg and annually elects into membership several of those participating in intercollegiate contests.

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College Y. M. C. A.

The Young Men's Christian Association, an organization of students and faculty, is an active agent in encouraging religious interests among the students. With the splendidly equipped Robert Weidensall Y. M. C. A. Hall, and the services of a secretary, the Association functions as a religious and social center for the entire student body. The influence of the organization is most strongly felt in its major emphasis upon personal religious work among the students on the part of the staff and the student cabinet. By promoting such activities as Bible study, religious meetings, discussion groups, spiritual retreats, and campus service, the Y. M. C. A. serves as a source of religious and moral life on the campus.

Musical Organizations

Musical activities are encouraged and supported thru the Gettysburg College Musical Association. This is a general organization, combining and supporting all the musical interests of the College. A faculty committee and representatives of the various musical organizations compose the executive committee of the Association and control all policies.

The present organization of the Association includes the College Band, the College Orchestra, and the Glee Club. For each of these organizations a capable director is provided.

The member-organizations regularly assist in furnishing music for college functions and are also frequently called upon for service off the campus. Out-of-town trips give an added inducement to participation.

Under the rules of the Association, a member of any one of the member-organizations, after a specified term of participation, is awarded suitable insignia.

A high degree of proficiency is generally exhibited by the member-organizations, and students with musical ability are urged to present themselves as candidates for membership in such organizations as they are prepared to join.

Owl and Nightingale Club

The aims of this organization are to bring out the latent dramatic talent of the students in acting, scene painting, and play writing, and also to provide the college and the community with good entertainment. It is the dramatic workshop of the College.

As a part of its program to arouse interest in dramatics, this club has inaugurated a play contest, the winner of which receives twenty-five dollars in cash. The following are the rules for the contest:

1. Only bona fide undergraduate students are eligible.
2. There shall be but one act.
3. The play must be original. No translation or copyrighted play will be accepted. Short stories may be dramatized.
4. The time of the play must be the present.
5. The manuscript should not exceed forty pages.

Athletics

The various college athletic sports, football, baseball, basketball, tennis, soccer, and field sports are well organized. They are recognized as an important part of college life and receive encouragement, but under such regulations as, it is believed, will prevent them from becoming a possible source of demoralization to the student body and from interfering with the primary work of the institution. The plan under which these sports are conducted gives opportunity for and encourages every student to take part regularly in some outdoor exercise.

Participation in College Athletics

Students are permitted to participate in any or all branches of athletics, unless parents or guardians have notified the Faculty to the contrary.

A student entering Gettysburg College from another college is required to be registered here for a period of one college year

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before he is permitted to take part in intercollegiate athletics.

Students on General Probation under the rules of the College are ineligible to represent the College in any intercollegiate athletics. See page 109.

Student Chest

On petition from the Student Council representing the student body, the Board of Trustees adopted a system for handling fees of student organizations, known as a Student Chest. This system eliminates requests and campaigns for money by student groups and substitutes a student fee of five dollars per semester. This fee is payable to the College Treasurer at the beginning of each semester and is distributed by the Treasurer at the direction of the Student Chest Committee to the various student organizations.

Publications

The Gettysburg College Bulletin is published by the College four or more times during the year.

The Gettysburgian, under the control of the student body, is published weekly, and makes a specialty of College and alumni news.

The Y. M. C. A. Hand-Book, issued at the opening of each college year, gives valuable information and suggestions to incoming students.

The Spectrum, an annual publication of the Junior class, contains pictorial representations of the College with its various organizations and surroundings, and useful information about students and alumni.

After several years of omission, *The Mercury* has been reinstated among the College publications. Its field is that of literary expression rather than news. It is advised by the English Department and seeks to encourage the aesthetic in literary effort among the student body.

In 1929 the Alumni Office began the publication of a quarterly called *The Gettysburg Alumnus*. This publication

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is intended to enlighten the alumni on the College program. Its purpose is to bind together the alumni and their College.

All the periodicals aim at enlarging the means of communication between the College and its graduates, former students, and friends. These enterprises are cordially commended to the patronage of those interested in the welfare of the institution.

Addresses of Alumni

The College is anxious to keep in touch with its alumni and ex-students not graduates, and requests that all changes in address be sent to the Alumni Secretary.

Teachers' Placement

The College Course for Teachers is arranged to meet the requirements of the School Code of Pennsylvania, thus securing the College Provisional Certificate for the graduates of the College. The attention of school boards, and others desiring teachers, is called to the fact that it is frequently in the power of the Faculty to recommend suitable candidates. Many graduates successfully fill important positions in public and private institutions. The College maintains a Placement Bureau for the purpose of assisting its alumni who are in the teaching profession to get in touch with vacancies, and to assist schools in finding teachers. The service is free.

The Director of the Bureau is Professor C. G. Reen.

Alumni Organizations

The Gettysburg College Alumni Association, founded in 1835, is constituted of graduates of the College and former students who were properly matriculated. It is organized to foster and promote the welfare of Gettysburg College and to maintain good fellowship among the members. While the Association meets but once each year, the governing body, the Alumni Council, meets twice annually to plan and execute organization affairs.

GETTYSBURG COLLEGE

The Association, by action of the Board of Trustees in 1876, nominates and maintains six Alumni Trustees. In addition, it maintains two members on the Athletic Council and a roster of officers sufficient to execute the purposes of the Association.

The officers of the Association are:

President

CLYDE E. GERBERICH, '13
MOUNT JOY, PA.

Vice-President

MELVILLE T. HUBER, '01
LANSDOWNE, PA.

Recording Secretary

WILLIAM G. WEAVER, '21
GETTYSBURG, PA.

Treasurer

THE FINANCE COMMITTEE

In 1929 the office of Alumni Secretary was created, the appointee to do full time service. He is official spokesman for the Association, supervises the routine of office management, and otherwise strives to carry out the purposes of the Alumni Association.

Alumni Secretary

CHARLES W. BEACHEM, '25
GETTYSBURG, PA.

Alumni Clubs

There are Alumni clubs in several populous centers, and others in the process of organization. These clubs strive to be centers of interest for Gettysburg College in their several communities. Prospective students living in the vicinity of a club will do well to get acquainted with the club officers. Following are the active Gettysburg Alumni clubs and their chief officers:

GETTYSBURG • PENNSYLVANIA

The Altoona-Gettysburg Club

President, J. CALVIN LANG, 921 Penn Street, Hollidaysburg, Pa.

Secretary, H. L. PEGG, 706 15th Street, Altoona, Pa.

The Baltimore-Gettysburg Club

President, R. K. G. RICE, 509 First National Bank Building, Baltimore, Md.

Secretary, L. M. KELLER, 2931 Woodland Ave., Baltimore, Md.

The Buffalo-Gettysburg Club

President, J. A. HATCH, 850 Potomac Street, Buffalo, N. Y.

Secretary, J. G. FLECK, 2 Wallace Avenue, Buffalo, N. Y.

The Cleveland-Gettysburg Club

President, D. F. LYBARGER, Court House, Cleveland, Ohio.

Secretary, J. H. L. TROUT, 15470 Triskett Road, N. W., Cleveland, Ohio.

The Harrisburg-Gettysburg Club

President, C. S. SIMONTON, 2037 N. 2d St., Harrisburg, Pa.

Secretary, C. L. REBUCK, River Rd., Harrisburg, Pa.

The Lancaster-Gettysburg Club

President, J. C. NICHOLAS, Leacock, Pa.

Secretary, Miss LILLIAN M. ROWE, 251 Pine St., Lancaster, Pa.

The New York-Gettysburg Club

President, E. H. EHLERS, 209 S. Mountain Ave., Montclair, N. J.

Secretary, P. D. SCHWARTZ, 60 Wall Street, New York, New York.

The Philadelphia-Gettysburg Club

President, R. J. WOLF, 806 Muhlenberg Bldg., Philadelphia, Pa.

Secretary, JAMES P. GILLILAND, 119 S. 32nd Street, Philadelphia, Pa.

GETTYSBURG COLLEGE

The Pittsburgh-Gettysburg Club

President, M. H. FLOTO, 2307 Oliver Building, Pittsburgh, Pa.

Secretary, W. A. LOGAN, 124 Grant Street, Turtle Creek, Pa.

The Reading-Gettysburg Club

President, C. J. DIETRICH, 206 West Oley Street, Reading, Pa.

Secretary, D. J. SCHOFFSTAHL, 310 Oley Street, Reading, Pa.

The Somerset-Gettysburg Club

President, J. H. BEERITS, 128 Center Ave., Somerset, Pa.

Secretary, D. G. FLOTO, 316 Main St., Meyersdale, Pa.

The Washington-Gettysburg Club

President, G. F. WALTZ, 613 Nicholas St., N. W., Washington, D. C.

Secretary, L. H. SNYDER, 5124 Chevy Chase Parkway, Washington, D. C.

The York-Gettysburg Club

President, HORACE PORTS, 31 S. Duke St., York, Pa.

Secretary, C. W. DIEHL, JR., 17 Manheim Street, York, Pa.

Student Council 1934-'35

GEORGE MACMILLAN, '35

President

TAYLOR P. REEDER, '35

Vice-president

ROBERT MORRIS, '36

Recording Secretary

W. RAMSAY JONES, '35

Corresponding Secretary

L. EUGENE BARRON, '36

Treasurer

FRED E. STRONG, '38

Messenger

C. WOODROW ZECH, '35

JOHN T. RENSHAW, '36

HARVEY E. SERFASS, '37

ROBERT L. SHADLE, '37

STUDENTS IN COLLEGE

1934-'35

Senior Class

CLASS OF 1935

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Arnold, Luther Bringman	Economics	Bellefonte
Barr, Lester Seymour	Biology	Linden, N. J.
Bender, William Allison	Chemistry	Chambersburg
Bers, Sol N.	Chemistry	Philadelphia
Boger, Russell	Mathematics	Reading
Bollinger, Charles Richard	History	Emmitsburg, Md.
Bomberger, Clarence Hoke	Chemistry	Palmyra
Bower, Henry Lloyd Wolf	Chemistry	Lafayette Hill
Bowlus, George Samuel	Mathematics	Middletown, Md.
Bowlus, Richard Stanley	English	Middletown, Md.
Brazel, James	Chemistry	Newburgh, N. Y.
Brown, Guy Edward	Latin	Fairfield
Brown, William Valgean	Political Sci.	Lebanon
Bulleit, Edward Banister	Political Sci.	Gettysburg
Caldwell, Craig Franklin	History	Chambersburg
Chamberlin, Charles Abiel	German	Lebanon
Chronister, Carl Frank	Business	Harrisburg
Dise, Preston Wyckoff	Business	Cleveland Heights, O.
Dunlevey, David Black	History	Centralia
Eckert, Harold Eugene	Mathematics	Tyrone
Edwards, Frank Groft	Biology	Clymer
Erickson, Robert Donald	Business	New Brunswick, N. J.
Etzler, Charles Earl	Business	Hanover
Foellner, Arthur	English	Ferndale
Frazier, Charles Calvin	English	Bellewood
Frey, Emerson Thomas	Philosophy	York
Garverick, Charles Stouffer	Mathematics	Somerville, N. J.
Gill, William Hayes	Economics	Harrisburg
Greenwell, Robert Ernest	Mathematics	Circleville, N. Y.
Guise, Richard Christian	Chemistry	R. D., Gettysburg

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Guy, Leslie Seymoure	Business	Pittsburgh
Hamme, Victor Lavern	Mathematics	York
Hartman, Owen Wister	Chemistry	Chambersburg
Harvey, Joseph Irvin	French	Harrisburg
Heiges, Russell Wagner	Chemistry	Harrisburg
Helsel, Frank Ernest	English	Hollidaysburg
Henry, Paul Eugene	History	Harrisburg
Hepford, Edward Wilcox	History	Harrisburg
Hill, George William, Jr.	Business	Harrisburg
Hummel, Conrad Daniel	Biology	Easton
Jones, George James, Jr.	Chemistry	Natalie
Jones, Warren Ramsay	Business	Littlestown
Kadel, William Howard	History	Gettysburg
Kaufman, John Bruce	History	Pleasant Hall
Kellow, Norman Bates	History	Upper Darby
Kindig, John Allan	Mathematics	Littlestown
Kirkpatrick, Robert William	Philosophy	Palmyra, N. J.
Kozma, Anthony Karl	History	Berwick
Kulman, Charles Nikander	Philosophy	Brooklyn, N. Y.
Lange, Austin J.	Political Sci.	Brooklyn, N. Y.
Latorre, Joseph Steve	Biology	Pittston
Leas, John Elmer	English	York
Levengood, Charles Milton	Business	Norristown
Lindaman, Francis Charles	English	Littlestown
Lipperine, Albert Daniel	Biology	Pittston
Lower, Marion F. R.	Political Sci.	Roaring Spring
McClure, Robert Fisher	English	Harrisburg
McCullough, Robert	Economics	Gettysburg
McGinnis, Daniel R.	History	Lancaster
McNulty, James Edward	Business	Coalport
MacMillan, George	English	Atlantic City, N. J.
Manning, Mervin Eugene	History	Harrisburg
Meier, Harold Isaiah	History	Johnstown
Messec, Olin Miller	Business	Trenton, N. J.
Miller, Raymond Milton	Greek	Baltimore, Md.
Miller, Russell Calvin	Chemistry	Harrisburg
Nagle, Robert Smith	History	Pottsville
Nye, Harry Custer	Chemistry	Harrisburg
Palilonis, Paul	Chemistry	Swedesboro, N. J.
Poole, Donald Raymond	Philosophy	Baltimore, Md.
Prowell, Cleon Franklin	Latin	Harrisburg
Quick, Raymond John	Economics	Kingston, N. Y.
Reed, Jean Harper	Business	Crowl

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Reeder, Taylor Praul	History	Trenton, N. J.
Richard, James Day	History	Collingdale
Ritz, Bruce LeRoy	Chemistry	Waynesboro
Roberts, Bissett Jeremiah	History	Harrisburg
Runk, Robert Harold	Chemistry	Harrisburg
Schiebel, Robert Charles	History	Hanover
Schreckengaust, S. A., Jr.	German	Harrisburg
Schroeder, Walter Carl	English	Narrowsburg, N. Y.
Seifert, Elmer Franklin	English	Hellertown
Shimer, Harry A., Jr.	Biology	Bedford
Smeal, Maurice McClellan	Philosophy	Clearfield
Snyder, Charles William	French	Seven Valleys
Spengler, Nelson Weaver	Economics	Harrisburg
Stare, Herbert Stover	English	York
Stoner, Brooke Harold	English	Hanover
Stover, Henry Dean	Mathematics	Littlestown
Sullivan, Charles Austin	Greek	Hanover
Sutherland, Robert Clive	Political Sci.	Pennsgrove, N. J.
Swope, Donald McCurdy	Political Sci.	Gettysburg
Taylor, William Wallace	Chemistry	Williamsport, Md.
Thomas, Powell Stackhouse	English	Germantown
Visco, John N.	Spanish	Newark, N. J.
Walker, John Robert	Chemistry	Berlin
Wenrich, Harry Edgar	Mathematics	Hummelstown
Wise, Harry Robert	English	Harrisburg
Witherspoon, John Marlin	English	Chambersburg
Woods, Wayne Robert	English	Pittsburgh
Zech, Charles Woodrow	Political Sci.	York
Zech, Harry Frederick	Political Sci.	York

Candidates for the Degree of Bachelor of Science

Hoke, Francis Rowe	E. E.	Emmitsburg, Md.
Hough, John Wallis	E. E.	Racine, Wisconsin
Knorr, Paul Theodore	M. E.	Trucksville
Larson, Eric Fredolph	E. E.	Gettysburg
McCracken, David Dalzell	M. E.	New Kensington
Nary, Blaine Edgar	E. E.	Orrtanna
Nix, William Henry, Jr.	M. E.	Cadogan
Nowicki, Edward Joseph, Jr.	C. E.	East Hampton, N. Y.
Sahle, Knute	M. E.	York
Smith, Robert Woodrow	C. E.	Taneytown, Md.

GETTYSBURG COLLEGE

Junior Class

CLASS OF 1936

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Allewelt, Arthur Leonard	Chemistry	Hanover
Aurand, Paul Burket	Mathematics	Tyrone
Banks, Joseph Henry	Business	Llanerch
Bare, Bruce Maurice, Jr.	Chemistry	Philadelphia
Barkley, Daniel Luther	English	Shippensburg
Barron, Lloyd Eugene	Chemistry	Harrisburg
Bender, Paul Rudisil	Chemistry	Berwick
Benner, Robert Calvin	Philosophy	Taneytown, Md.
Bergstresser, Edwin Lot	Chemistry	Hanover
Bomberger, Martin Luther	Chemistry	Lebanon
Bortner, Doyle McClean	History	Dagsboro, Del.
Bower, Dean Harold	Political Sci.	Gettysburg
Bowersox, George Edward, Jr.	Philosophy	Leechburg
Brenneman, Lavern Harvey	Mathematics	Seven Valleys
Bristol, William Baker	English	Germantown
Burkhart, Harold Myers	Economics	Chambersburg
Charmbury, Herbert Beecher	Chemistry	Hanover
Childs, James Rogers	Business	Merchantville, N. J.
Cico, John Adam	Mathematics	Steelton
Coble, William Wilson	History	Mercersburg
Correll, Paul Harvey	Biology	Catonsville, Md.
Culp, John Alexander	Business	New Kensington
DeCarlo, Emilio	Chemistry	Whitestone, N. Y.
Donehoo, George Smith	Chemistry	Harrisburg
Dunkelberger, Harold Aberly	English	Gettysburg
Dunkelberger, John A. William	History	West Chester
Echelmeyer, Frederick William	English	Upper Darby
Eckert, Frederick John	English	Baltimore, Md.
Eriksen, Leonard Henry	Chemistry	Jersey City, N. J.
Fehl, Alfred Preston	English	Smithsburg, Md.
Fertner, Martin Luther	Chemistry	Red Lion
Field, Jesse Waldron	Chemistry	New York, N. Y.
Fink, Richard Clay	History	Littlestown
Frey, Paul Livingston	Mathematics	York
Garver, Stuart Paul	Greek	York
Gazzolo, Louis Joseph	Biology	Tarrytown, N. Y.
Graham, Julian Burns	History	East Haddon, Conn.
Gunnet, Ray Arlington	History	York
Haas, Robert Whitner	Economics	Allentown

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Haer, Frederick Bence	History	Marion Center
Hake, Charles Carlton	English	Dallastown
Harbold, Harold Valentine	Biology	Dallastown
Heckert, George Owen	Business	York
Henry, John Robert	Mathematics	Menges Mills
Henry, Paul William	Biology	York
Horner, Harley Gifford, Jr.	Mathematics	Lakewood, N. J.
Karmany, William Hummel	Biology	Hummelstown
Krumwiede, William Carl	History	Rochester, N. Y.
Kuskin, Emanuel Samuel	Chemistry	Newark, N. J.
Latshaw, Richard Winner	Business	Spring City
Long, Frank Mason	Business	Pennhurst
Long, Henry Melvin	Philosophy	Cumberland, Md.
McCahan, William John	Economics	Upper Darby
McElhiney, William Roger	Business	Greensburg
McElroy, Wilbur Renfrew	Chemistry	Fayetteville
McIlhenny, John William	English	R. D., Gettysburg
Miller, Clarence William	English	Hazleton
Morris, Robert	Business	Reading
Ney, William Luther	Economics	Brookline
Nichols, Robert Horace	Chemistry	Hagerstown, Md.
Pittenger, Emory Melvin	English	R. D., Gettysburg
Preston, Charles William	Chemistry	Baltimore, Md.
Puma, Sam Joseph	Chemistry	Pittston
Reighter, Karl William	Chemistry	Harrisburg
Renshaw, John Travis	Political Sci.	Phoenixville
Reutter, Richard Earle	Biology	Tamaqua
Rhodes, Edgar Nevin, Jr.	Mathematics	Emmitsburg, Md.
Rigby, John Kenneth	Mathematics	Johnstown
Riley, Joseph Henry	Biology	Gettysburg
Sassaman, Robert Seebold	Philosophy	Williamsport
Schluderberg, Herbert Luther	History	Baltimore, Md.
Shutters, Malcolm Dare	English	Washington, D. C.
Smith, Floyd Clair	Business	Riverton, N. J.
Smyser, Willis Michael	French	York
Snyder, Herbert Austin	Biology	Montgomery, W. Va.
Snyder, John Frederic	Biology	Lebanon
Snyder, William Ulrich	English	Washington, D. C.
Sobolesky, Albert Edward	History	Minersville
Stein, Gerald Bernard	Chemistry	Harrisburg
Steininger, Stuart Winford	Chemistry	Harrisburg
Stonesifer, Donald Reid	English	Hanover
Thomas, James Harold	Chemistry	Harrisburg

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Tilley, Arthur Charles	Business	Newton Center, Mass.
Trunk, Charles Frederick, Jr.	Philosophy	Coatesville
Ulrich, William Slocum, Jr.	Biology	Downingtown
Weaver, Louis Schneider, Jr.	Biology	York
Westenberger, Luke A.	Mathematics	Middletown
Wolf, Ben William	Chemistry	Harrisburg
Yost, Carl Elmer	English	York

Candidates for the Degree of Bachelor of Science

Hoover, Ralph Gulden	M. E.	Huntingdon Valley
Koons, Robert Eichinger	C. E.	New Cumberland
Ott, Charles Dorsey	E. E.	Gettysburg

Sophomore Class

CLASS OF 1937

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Albig, Earl Emery	————	West Newton
Askounes, Pericles N.	————	Monessen
Barkley, John Wesley	————	Ligonier
Berkowitz, Lester Ivin	Biology	Red Bank, N. J.
Bowers, George Kermit	Greek	Bedford
Bowers, Stewart Cole, Jr.	————	New Freedom
Brown, George Edward, Jr.	————	Staten Island, N. Y.
Bryson, Richard Habecker	Economics	Lancaster
Calhoun, Robert Jacob	English	Steelton
Campbell, James Duncan	Physics	Harrisburg
Chrisemer, Edgar Troeder	Spanish	Harrisburg
Compton, William Roland	Political Sci.	Bellevue
Cook, William Austin, Jr.	————	Brookline
Cooper, Charles Harold	————	Lakewood, N. J.
Davis, Francis Edwin	Business	Pottsville
Delo, John Charles	Chemistry	Pittsburgh
Denner, William Justice	————	Manchester, Md.
Dollman, Stephen Crawford	Chemistry	Pine Grove
Dougherty, George Gehr	Latin	Reading
Ecker, Sterling M.	————	Littlestown
Eckert, Mark A.	————	Gettysburg
Ehlers, Edward, Jr.	————	Montclair, N. J.
Eshenaur, Ray Ellwood	Chemistry	Harrisburg

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Fish, John Huff, Jr.	————	Paulsboro, N. J.
Folkemer, Carl William	————	Baltimore, Md.
Folkemer, Lawrence Daniel	————	Baltimore, Md.
Frazer, Murray Bennet, Jr.	Political Sci.	Gettysburg
Geistwhite, Donald Snyder	————	Harrisburg
Gelbert, James Edward	Political Sci.	Ambler
Gilbert, Warren Best	————	Harrisburg
Gillespie, Frederick Sinclair	————	Arlington, N. J.
Gochmour, Joseph Parkes	Political Sci.	Ligonier
Halfpenny, William Craig, Jr.	————	Harrisburg
Hamme, Robert Ellsworth	————	York
Harkins, George Frederick	Philosophy	Harrisburg
Harner, John Wilson	Philosophy	Gettysburg
Heiges, Harold Lynwood	————	Biglerville
Heiges, John William	Business	Harrisburg
Hench, William Lee	————	Dallastown
Hershey, Philip Henry	————	Spring Grove
Hetrick, Gurney Eugene	Biology	Lewisberry
Heydrich, Jack Fabel	————	Lock Haven
Hopkins, Leonard Howard	————	Holyoke, Mass.
Horne, Robert Earle	————	Philadelphia
Hull, Kenneth Preston	————	Gettysburg
Irwin, Shull Leonard	French	R. D., Gettysburg
Jeacons, John	————	Merion
Kanzinger, Millard Christian	————	Ardmore
Keinard, Robert W.	————	Phoenixville
Keith, John Burgoyne	————	Gettysburg
Kisor, Thaddeus William	————	Monessen
Krum, Gordon Sumner	English	Grahamsville, N. Y.
Lamason, William Hamilton	————	Williamsport
Larson, John C.	————	Gettysburg
Lawley, Charles Frederick	Chemistry	Tamaqua
Lerch, Casper Edmund	Economics	Wyomissing
Lewis, Harold Wilbur	————	West Hazleton
Lovell, Donald Root	————	Bellwood
McCracken, Ellis Ray	Mathematics	Freeport
McIntyre, James Murray	Chemistry	Indianapolis, Ind.
Manges, James Henry	————	Harrisburg
Martin, George Washington, Jr.	History	Cumberland, Md.
Minnich, John Ellsworth	————	Harrisburg
Moffitt, Elwood Norman	————	Palmyra, N. J.
Moyer, Thomas William A.	————	Bloomsburg
Mumford, Paul Jones	————	Ellicott City, Md.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Myers, James Harold	History	Harrisburg
Myers, J. Richard	Biology	Lemoyne
Norley, Walter Nelson, Jr.	Biology	Brookline
Opperman, Harry, Jr.	English	Audubon, N. J.
Peters, Martin Fisher	Economics	Phoenixville
Powers, Clarence S., Jr.	————	York
Raffensperger, Harold Emanuel	History	New Oxford
Raffensperger, Robert Kieffer	————	Biglerville
Rau, Robert Browning	German	Baltimore, Md.
Rehmeyer, Bernard S.	————	New Freedom
Reimer, William John	————	Stone Church
Richwine, Harry Thomas	History	Harrisburg
Rines, Paul Daniel	Political Sci.	Altoona
Rudolf, Donald Richard	————	Harrisburg
Saltzgeber, Luther Burns	History	Westminster, Md.
Sanders, Wilbur Lane	Economics	Woodbine
Sanner, Charles Steiner	————	Frederick, Md.
Savarese, Anthony Paul	————	Brooklyn, N. Y.
Schadel, Lees Malcolm, Jr.	————	Philadelphia
Schnell, George Frederick	————	Harmon-on-Hudson, N. Y.
Schrader, Lloyd Louis	Chemistry	Bellerose, N. Y.
Serfass, Harvey Edwin	————	Bethlehem
Shadle, Robert Lee	————	Selinsgrove
Shafer, Russell Morey	————	Hanover
Shaffer, Roger Evans	————	Hanover Junction
Shirk, Samuel Blaine, Jr.	Political Sci.	Wyomissing
Smull, Herbert Warner	Business	Lansdowne, Md.
Snyder, Henry William, Jr.	————	Washington, D. C.
Stevens, Charles Robert	French	York Springs
Strolis, William Joseph	————	Shenandoah
Superka, Joseph Leo	History	Catasauqua
Taylor, Kenneth Edgar	————	Yoe
Taylor, Raymond Allen	Biology	York
Thompson, Otto Crouse	Chemistry	Lakewood, N. J.
Triani, Peter Anthony	Biology	Berwick
Uffelman, Harry Walter	Chemistry	York
Umberger, Eugene Baker	Greek	Runnemede, N. J.
Wagner, William Carl	————	Williamsport
Walborn, John Gordon	————	Harrisburg
Walker, Richard Eugene	————	Harrisburg
Weidner, Arthur William	Biology	York Springs
Wenrich, Edward Allen	————	Reading
Wetzel, Dennis Robert Geeting	Biology	Hanover

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Williams, Paul Wellington	————	Willow Grove
Wolff, Alfred Young	————	Hanover
Worley, Earle Wilson	————	Littlestown
Zug, Richard Davies	Business	Harrisburg

Candidates for the Degree of Bachelor of Science

Buhrman, Howard Franklin	M. E.	Lantz, Md.
Chapman, Jacob Dreher	E. E.	Sharpsburg, Md.
Dallmeyer, Fred Henry	M. E.	York
Fitzsimmons, Robert Walter	M. E.	Honesdale
Keil, Richard Albert	M. E.	West Newton, Mass.
Schmidt, John George	M. E.	York
Strosahl, Bernard Conrad	M. E.	Honesdale
Tilley, William Adrian	C. E.	Newton Center, Mass.

Freshman Class

CLASS OF 1938

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Agati, Anthony Raymond	————	West Wyoming
Asimus, Horace William	————	Arlington, N. J.
Bacha, Andrew Edward	————	McKeesport
Bane, William Kenneth	————	Bellerose, N. Y.
Barbush, Albert Francis	————	Harrisburg
Barten, George Anton	————	Baltimore, Md.
Bates, Robert J.	————	Harrisburg
Beck, Robert A.	————	Hampton
Bell, Thomas Jefferson	————	Harrisburg
Boehner, Henry Sittner	————	Philadelphia
Borsi, Lawrence Renzo	————	West Wyoming
Boyer, Arthur Charles	————	Catawissa
Brehm, John Greenawalt	————	Gettysburg
Campbell, Samuel Burns, Jr.	————	Milton
Cooper, Warren Freeman	————	Hazleton
Daehling, Francis August	————	Philadelphia
Daugherty, John Bartlett	————	Red Hill
Davis, William Watson	————	Confluence
DeVore, Clair Eugene	————	Cumberland, Md.
Diehl, John L.	————	Chambersburg
Diehl, Millard Grayson	————	Loganville
Doll, Donald Goodyear	————	York
Dreas, Richard Edgar	————	Reading

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Eckerd, James Wilson	————	New Bloomfield
Eckstrom, Edward Nelson	————	Harwick
Egeland, Andrew M.	————	Fair Haven, N. J.
Ehringer, Sheldon William	————	Altoona
Embick, William Harry	————	New Cumberland
Fair, Frederick Maxwell	————	Harrisburg
Feiffer, Albert Monroe	————	Atlantic City, N. J.
Fetrow, Russell Henry	————	York
Florence, Quentin James	————	Waynesboro
Franconi, Remo Charles	————	West Wyoming
Frantz, George Albert, Jr.	————	Confluence
Frey, Arthur McCaleb	————	Harrisburg
Furney, Frederick Harmon	————	Gettysburg
George, Willard Stanton	————	Mohnton
Gilbert, James William	————	R. D., Gettysburg
Goff, Charles Marshall	————	Long Island, N. Y.
Graefe, Edward Walter	————	Owings Mills, Md.
Graff, John Francis	————	Worthington
Green, Edward Eugene	Chemistry	Laurelton, N. Y.
Gross, Elliot Francis	————	Grantwood, N. J.
Gross, Lester Roy	————	Dover
Guerard, Jack Williamson	————	Philadelphia
Guldin, Warren	————	Pennsburg
Harris, George Joseph	————	Lonaconing, Md.
Hartman, Henry Miller, Jr.	————	Gettysburg
Hebert, Lester Bernard	————	Lavelle
Hege, John Henry	————	Dover
Herr, Karl Milton	————	Berwick
Hess, Walter Charles	Philosophy	Rosedale, N. Y.
Hikes, George Edgar	————	Gardners
Hildebrand, Ralph Adam	————	Wilkes-Barre
Hildebrand, Robert Leroy	————	Johnstown
Hocker, George Farnsler, Jr.	————	Bethlehem
Hockman, Bruce Franklin	————	Bellefonte
Hockman, Harold Randolph	————	Bellefonte
Hughes, Robert Samuel	————	Ashland
Kakel, Edward Clifton	English	Towson, Md.
Kelly, James Grear	————	Gettysburg
Kirkpatrick, Samuel Alexander	————	New Cumberland
Kitzmiller, Clarence Edward	————	Gettysburg
Klinedinst, Harvey Delle	————	Red Lion
Knecht, Frederick Vernon	————	Tower City
Kuhs, Byron Albert	————	Johnstown

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Langdon, Charles Henry, Jr.	_____	York
Lau, Donald	_____	Reading
Lau, Robert Edmund	_____	York
Longenecker, George Roman	_____	York
McCue, Edward Lyons	_____	Stoyestown
MacNeille, Jack Perry	_____	Bayonne, N. J.
Mader, Joseph Ard	_____	Danville
Maiden, E. Sayre F.	_____	Philadelphia
Manges, Willis Edmund	_____	Moylan
Marks, William Jacob	_____	Gettysburg
Meals, Marlin Stewart	_____	Carlisle
Messinger, Fred	_____	Easton
Milbourn, Arlton Wayne	_____	Great Bend
Miller, Edgar Allen, Jr.	_____	Gettysburg
Miller, John Harold	_____	Littlestown
Mizell, Louis Richard	_____	Kensington, Md.
Moore, Allison Park	_____	Downingtown
Morecraft, Howard George	_____	Rahway, N. J.
Naile, William, Jr.	_____	Drexel Hill
Olmstead, Richard Dixon, Jr.	_____	Worcester, Mass.
Pennington, Robert Taylor	_____	Atlantic City, N. J.
Perkins, Richard Graham	Political Sci.	York
Phelps, Henry William	_____	Gettysburg
Pirnik, Louis Charles	_____	Pennsburg
Plank, Edward Stewart, Jr.	_____	Gettysburg
Poffenbarger, Reese St. C.	_____	West Fairview
Pszwaro, Edward J.	_____	Gibbstown, N. J.
Quickel, Harold Henry	_____	York
Rehder, William Stewart	_____	Wilmington, N. C.
Reutter, David William	_____	Tamaqua
Rife, Richard Curtis	_____	Harrisburg
Roccato, John C.	_____	Pittston
Rosenstengel, John	_____	Gettysburg
Ross, Charles Alexander	_____	Harrisburg
Ross, Donald Joseph	_____	Harrisburg
Schiebel, Edward Charles H.	_____	Hanover
Schultz, Nicholas Frederick	_____	East Liverpool, O.
Schwartz, Meyer Oscar	_____	New York, N. Y.
Senft, Roderic Newman	_____	York
Seyler, Ray Querns	_____	Brookline
Sheely, Charles Donald	_____	Gettysburg
Shenk, Harold H. C.	_____	Harrisburg
Shoop, Arthur Russell	_____	Richland

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Sierer, Joseph Huber	————	Chambersburg
Singer, Rodger Miller	————	Manheim
Skelly, Frank Leonard	————	Geneseo, N. Y.
Smith, James Mervin	————	New Freedom
Sneeringer, Theron Francis	————	Hanover
Snyder, Frank Lawrence	————	Danville
Soderberg, Arthur Theodore	————	E. Weymouth, Mass
Spangler, Clyde Herbert	————	New Oxford
Stambaugh, John Maurice	————	York
Staubit, William J.	————	Buffalo, N. Y.
Stine, Howard Edwin	————	Blain
Strong, Fred Elmer	————	Worcester, Mass.
Swan, James Rutherford	————	St. Thomas
Swisher, Charles Edwin	————	Gettysburg
Taschenberg, Emil Frederick	————	Cumberland, Md.
Thomas, Edmund Wells, Jr.	————	Gettysburg
Trostle, George Stanton	————	Johnstown
Villaume, John Charles	————	Honesdale
Wagner, Romeo Barrick	————	Philadelphia
Wahler, Walter Augustus	————	Littlestown
Weimer, Joseph Michael	————	Gettysburg
Weller, David Bentzel	————	Gettysburg
Whetstone, George Edward	————	Waynesboro
Whisler, Roland Crull	————	York
White, Arthur W.	————	Spartanburg, S. C.
White, Musser Diven, Jr.	————	Harrisburg
Williams, Robert Harper	————	Gettysburg
Wingate, Francis Monroe	————	Wellsboro
Wolfgang, Paul Emerson	————	Lavelle
Yevak, Robert Eugene	————	Hazleton
Zarfos, Jay Robert	————	Red Lion
Zarger, Glenn Walburn	————	Chambersburg

Candidates for the Degree of Bachelor of Science

Buhrman, Carroll Leroy	————	Waynesboro
Dickey, Donald Weller	————	Somerset
Dubovick, Walter Alexander	————	South River, N. J.
Eisenhart, Ralph Eugene	————	East Berlin
Florence, Martin Edward	————	Waynesboro
Landau, Harold Sanford	————	Bayside, N. Y.
McCarney, Mahlon Albert	————	York
McClure, William Edward	————	Harrisburg
McNeil, William Wallace	————	Tyrone

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Michael, Ralph Howard	————	Bethlehem
Miller, Robert H.	————	Patton
Pitts, William Ernest	————	Hanover
Smith, Ray Frank	————	Frederick, Md.
Walker, Kenneth Draper, Jr.	————	Lansdowne

Students not Candidates for a Degree

Anderson, William James	Muddy Creek Forks
Hershberger, Don LaVann	Johnstown
King, Wilbur Richard	Gettysburg
Knapper, Howard Park	Hanover
O'Donnell, John Philip	Reno, Nev.
Parkin, Edwin Harris	Newton Centre, Mass.
Stauffer, Howard Hamilton	Gettysburg

Geographical Distribution of Students

Pennsylvania (Gettysburg 33).....	373
Maryland.....	36
New Jersey.....	33
New York.....	24
Massachusetts.....	8
Washington, D. C.....	3
Ohio.....	2
Connecticut.....	1
Delaware.....	1
Indiana.....	1
Nevada.....	1
North Carolina.....	1
South Carolina.....	1
West Virginia.....	1
Wisconsin.....	1
	487

Summary

Students in College 1934-'35

Seniors.....	112
Juniors.....	92
Sophomores.....	121
Freshmen.....	155
Not candidates for a degree.....	7
	487

GETTYSBURG COLLEGE

Students in Attendance Second Semester 1933-'34*

Seniors

NAME	MAJOR	HOME
Dettrey, John Franklin	Business	Philadelphia
Steck, John Charles	Biology	Carlisle

Juniors

Meyers, Esli Shartle	E. E.	Mercersburg
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Sophomores

Baker, Herbert Wood	Chemistry	Middletown, N. Y.
Kuskin, Emanuel Samuel	Chemistry	Newark, N. J.
Ortner, Hyman Herman	—	Linden, N. J.

Freshmen

Wolff, Alfred Young	—	Hanover
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Commencement 1934

Commencement Orator

PROFESSOR LUTHER A. WEIGLE, PH.D., D.D., LITT.D.
NEW HAVEN, CONN.

Graduates

Bachelor of Arts

Oscar Achey	John Carl Foster
Kendig Wade Bergstresser	Clifford Sheffer Gunnett
Louis Thorn Bowers	Mahlon Russel Hagerty
Harry Shaw Bowman	Paul Oliver Hamsher
Milner Herbert Bowser	Theophilus Painter Hanson
Donald Washington Brown	Donald Clair Haynes
Wallace Arnold Calvert	Charles Leighton King
Angelo Ciavarella Cavell	Dale Landis Kohr
John Emory Chenoweth	James Lambie
James Barr Day	George Henry Lark
William Walter Durning	Wendell Carrier Lawther
Robert Eugene Everhart	Eugene Irvin Leber
James Norman Fisher	John Newton Bower Livingood
George Noel Flynn	Russell Sylvester Malony
Paul Louis Folkemer	Frank Raymond Metzger

* Too late to be included in catalog for the year.

GETTYSBURG · PENNSYLVANIA

Gerard Edwin Meyer	Paul Heiges Smith
John Herbert Moody	Rodman Smith
Robert Kleoppper Peters	Charles Raffensperger Sprenkle
Carl Robert Plack	Charles Earl Staub
John McFerren Price	Harold George Steckroth
Howard Frederick Reisz	Theodore Matthew Sternat
Lewis Joseph Restak	Andrew Francis Theisz
Jacob John Riley	Lester Milton Utz
David Elmer Robison	Hermas Lester Weary
Charles Clinton Ruby	John William Whetstone
Richard Schwartz Shanebrook	Charles William Wolf
Andrew Coleman Sheetz	Richard Charles Wolf

Bachelor of Science

Charles Frederick Althaus	Allen Ramsey Hall
Paul Daniel Altland	Collins Fremont Hall
Wilbur Henry Amspacher	Harold Bartlett Hallman
Thomas Cover Babylon	William Philemon Heck
Edward Earl Barrett	Henry August Hespenheide
Albert Daniel Bell	Charles Robert Hess
Karl Joseph Bernhard	David William Hetrick
Samuel Luther Birely	William Samuel Hill
Charles Raymond Blackburn	Russell Marsh Houghton
Thomas Emil Butterfield	John Joseph Howard
Philip Russell Callihan	Robert Frederick Jacobs
Franklin Daugherty Chubb	Archibald Knisely Jean
George Hector Coupe	Earl Franklin Kochenour
Harry Newton Derickson	Willard Hassell Lapp
John Franklin Dettrey	John Daniel Maust
Wilmer Dracha	William Homer Miller
Samuel Pollock Ellenberg	Wilton Raphael Miller
Donald Earl Enders	Robert Morril
Ottomar Lutz Eshenour	Edward William Mulligan
Robert Alexander Evans	John David Mumford
Winfield Roland Fahs	Robert Dickie Nix
Herman Frederick Frasch	Joseph John Olkewicz
Robert Burns Frey	John Courtland Parker
James Armand Gillespie	Robert Adams Peterman
Ralph Wilson Gobrecht	Lewis Krise Polley
Ralph Carol Goyne	Asa Reid Rivenburg
John Graybill Green	Mervin David Rudisill
Walter Thomas Greenaway	Martin Burke Sharp
Charles George Hain	James Sieling

GETTYSBURG COLLEGE

George Edward Sjöholm
Clinton Edward Smith
Howard Hamilton Stauffer
John Charles Steck
Herman Sidney Sterling
John Porter Strode
Isaac Joseph Tender

Robert Keister Ulrich
Frank Conrad Vanderwall
Melvin A. Rice Wainwright
George Frederick Walters
Samuel Grenewald Witmer
Willard Paxson Woodward

Master of Arts

George Frederick Gutmann

Ruth Anna McIlhenny

Master of Science

Robert Long Nissley
Clarence Eugene Painter

Harold Shearer Roth
Harry Ross Sheely

Honors

Valedictorian

Charles William Wolf

Salutatorian

David Elmer Robison

General Final Highest Honors

Charles William Wolf

General Final Honors

William Walter Durning
Mahlon Russel Hagerty
Wendell Carrier Lawther

John Newton Bower Livingood
David Elmer Robison
Hermas Lester Weary

Richard Charles Wolf

Highest Class Honors

SENIOR

William Walter Durning
David Elmer Robison

Charles William Wolf
Richard Charles Wolf

JUNIOR

Bruce LeRoy Ritz

GETTYSBURG • PENNSYLVANIA

SOPHOMORE

Bruce Maurice Bare

FRESHMAN

William John Reimer

Class Honors

SENIOR

Louis Thorn Bowers	Mahlon Russel Hagerty
James Armand Gillespie	Wendell Carrier Lawther
Ralph Carol Goyme	Frank Raymond Metzger
Hermas Lester Weary	

JUNIOR

Guy Edward Brown	Samuel Agison Schreckengaustr
Edward Banister Bulleit	Maurice McClellan Smeal
Carl Frank Chronister	Herbert Stover Stare
Paul Palilonis	Henry Dean Stover
Cleon Franklin Prowell	Donald McCurdy Swope
Robert Harold Runk	Wayne Robert Woods

SOPHOMORE

Doyle McClean Bortner	Leonard Henry Eriksen
William Baker Bristol	Julian Burns Graham
Harold Aberly Dunkelberger	Clarence William Miller
William Ulrich Snyder	

FRESHMAN

George Kermit Bowers	Charles Steiner Vincent Sanner
Warren Best Gilbert	Samuel Blaine Shirk
Gordon Sumner Krum	Henry William Snyder
Kenneth Edgar Taylor	

Departmental Final Honors

In Biology

Angelo Ciavarella Cavell

GETTYSBURG COLLEGE

In English

Donald Clair Haynes
Hermas Lester Weary
Richard Charles Wolf
Charles William Wolf

In Greek

Louis Thorn Bowers

In History

James Barr Day
Frank Raymond Metzger
David Elmer Robison

In Mathematics

William Walter Durning
Wendell Carrier Lawther
John Newton Livingood
Charles William Wolf

Seniors Elected to Phi Beta Kappa

James Barr Day	John Newton Bower Livingood
William Walter Durning	Frank Raymond Metzger
Theophilus Painter Hanson	David Elmer Robison
Donald Clair Haynes	Hermas Lester Weary
William Samuel Hill	Charles William Wolf
Wendell Carrier Lawther	Richard Charles Wolf

Prizes

Graeff Prize

Charles William Wolf

Garver Latin Prize

George Kermit Bowers

Hassler Latin Prize

Raymond Milton Miller

WITH HONORABLE MENTION OF

Cleon Franklin Prowell

Brewer Greek Prize

Harold Aberly Dunkelberger

GETTYSBURG • PENNSYLVANIA

Garver Greek Prize

George Kermit Bowers

Stine Chemistry Prize

Wilbur Henry Amspacher

Baum Mathematical Prize

Laverne Harvey Brenneman

WITH HONORABLE MENTION OF

John Kenneth Rigby

Muhlenberg Freshman Prize

George Kermit Bowers

Edwin and Leander M. Zimmerman Prize

Paul Heiges Smith

Phi Sigma Iota Prize

First—Theophilus Painter Hanson

Second—Wendell Carrier Lawther

Blue Crocodile Prize

Paul Heiges Smith

Military Prizes

Honor Graduate R. O. T. C., 1933-1934

Robert Frederick Jacobs

Military Memorial Prize

Robert Frederick Jacobs

WITH HONORABLE MENTION OF

Charles George Hain

James Armand Gillespie

Scabbard and Blade Military Prize

FIRST YEAR ADVANCED COURSE

Edward Joseph Nowicki, Jr.

WITH HONORABLE MENTION OF

Charles Nikander Kulman

SECOND YEAR BASIC COURSE

Lloyd Eugene Barron

GETTYSBURG COLLEGE

WITH HONORABLE MENTION OF

Paul Harvey Correll

Active Service Men's Trophy Cup, Won by

COMPANY "C"

Captain J. A. Gillespie, Cmdg.

Distinguished Platoon

2ND PLATOON, COMPANY "C"

1st Lieut. E. F. Kochenour, Cmdg.

The 316th Infantry Rifle Marksmanship Trophy

1ST PLATOON, COMPANY "A"

1st Lieutenant H. L. Weary, Cmdg.

The Colt-Cromwell Company Prize

James Armand Gillespie

Medal for Best Drilled Individual

FIRST YEAR BASIC COURSE

Stanley Ebersole Brinton

SECOND YEAR BASIC COURSE

Pericles N. Askounes

Honorary Degrees

CONFERRED AT COMMENCEMENT 1934

Doctor of Divinity

Rev. Harry S. Dollman
Rev. Charles N. Shindler
Rev. Chester S. Simonton

Pine Grove
Greensburg
Harrisburg

Doctor of Laws

Col. Ulysses S. Grant, 3d
George Bolling Lee, M.D.
Rev. Prof. Luther A. Weigle

Washington, D. C.
New York, N. Y.
New Haven, Conn.

Doctor of Science

Prof. John L. Rothrock

St. Paul, Minn.

Doctor of Science in Education

Prof. William Grant Chambers

State College

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REGISTER FOR 1935 · 1936
ANNOUNCEMENT OF COURSES 1936 · 1937

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GETTYSBURG, PA.

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Session days are indicated by bold-face type

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AUGUST						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

COLLEGE CALENDAR

1935 · 1936 · 1937

1935

<i>September 16</i>	<i>Monday</i> , Entrance Examinations and Registration of New Students.
<i>September 19</i>	<i>Thursday</i> , 11 A.M., Formal Opening Exercises. College Year begins.
<i>September 20</i>	<i>Friday</i> , 8 P.M., Y. S. C. A. Reception.
<i>November 27</i>	<i>Wednesday</i> , Noon, Thanksgiving Recess begins.
<i>December 2</i>	<i>Monday</i> , 7:45 A.M., Thanksgiving Recess ends.
<i>December 3</i>	<i>Tuesday</i> , 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.
<i>December 14</i>	<i>Saturday</i> , Noon, Christmas Recess begins.

1936

<i>January 3</i>	<i>Friday</i> , 7:45 A.M., Christmas Recess ends.
<i>January 23 to 31</i>	<i>Thursday to Friday</i> . Examinations closing First Semester.
<i>February 1</i>	<i>Saturday</i> , 7:45 A.M., First Semester ends and Registration for Second Semester begins.
<i>April 8</i>	<i>Wednesday</i> , Noon, Easter Recess begins.
<i>April 15</i>	<i>Wednesday</i> , Noon, Easter Recess ends.
<i>May 26 to June 5</i>	<i>Tuesday to Friday</i> , General Final Examinations.
<i>May 30</i>	<i>Saturday</i> , Decoration Day. Holiday.
<i>June 5</i>	<i>Friday</i> , 10 A.M., Meeting of the Executive Committee of the Board of Trustees.
<i>June 6</i>	<i>Saturday</i> , 9:30 A.M., Annual Meeting of the Board of Trustees in Gettysburg.
<i>June 6</i>	<i>Saturday</i> , 10 A.M., Baseball Game.
<i>June 6</i>	<i>Saturday</i> , Alumni Class Reunions.
<i>June 6</i>	<i>Saturday</i> , 3 P.M., Senior Class Day Exercises.
<i>June 6</i>	<i>Saturday</i> , Noon, Alumni Collation.

COLLEGE CALENDAR

1935 · 1936 · 1937

1936

June 7 Sunday, 10:45 A.M., Baccalaureate Sermon.
June 8 Monday, 10 A.M., Commencement Exercises.


SUMMER VACATION

September 14 Monday, 9 A.M., Registration of New Students.
September 14 Monday, Beginning of Freshmen Orientation Classes and Entrance Examinations.
September 17 Thursday, 9 A.M., Registration of Old Students.
September 17 Thursday, 11 A.M., Formal Opening Exercises in Brua Chapel. College Year begins.
September 18 Friday, 7:45 A.M., College Classes begin.
September 18 Friday, 8 P.M., Y. S. C. A. Reception.
November 25 Wednesday, Noon, Thanksgiving Recess begins.
November 30 Monday, 7:45 A.M., Thanksgiving Recess ends.
December 1 Tuesday, 10 A.M., Mid-Winter Meeting of Board of Trustees in Harrisburg.
December 17 Thursday, Noon, Christmas Recess begins.

1937

January 4 Monday, 7:45 A.M., Christmas Recess ends.
January 21 to 29 Thursday to Friday. Examinations closing First Semester.
January 30 Saturday, 7:45 A.M., First Semester ends and Registration for Second Semester begins.
March 24 Wednesday, Noon, Easter Recess begins.
March 31 Wednesday, Noon, Easter Recess ends.
May 30 Decoration Day.
June 14 Monday, Commencement.

HISTORICAL

HE Charter of Gettysburg College was approved April 7, 1832. The opening paragraphs are as follows: "WHEREAS, the literary and scientific institution in Gettysburg, Adams County, in this Commonwealth, known by the name of Gettysburg Gymnasium, is resorted to by a large number of young men from different portions of this State, and elsewhere, and promises to exert a salutary influence in advancing the cause of liberal education; therefore,

"SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, That the Gettysburg Gymnasium be, and hereby is erected into a College, for the education of youth in the learned languages, the arts, sciences and useful literature.

"SECTION 2. And be it further enacted by the authority aforesaid, That the style and title of said College shall be 'Pennsylvania College of Gettysburg'* . . . "

The College in a large measure grew out of the necessity of properly preparing men for the Theological Seminary, established in 1826 at Gettysburg. This purpose has never lessened, and to-day the institution regards this as an important feature of its work and offers special opportunities to young men preparing themselves for theological studies. Gettysburg College in its beginnings and its history is closely identified with the Lutheran Church.

The College began without endowment, with one small building (now a residence on the southeast corner of Wash-

* On Nov. 14, 1921, the name was changed to Gettysburg College.

GETTYSBURG COLLEGE

ington and High streets), and a small attendance. But the enthusiasm of its able instructors, the loyalty and self-sacrifice of its officers, students, and alumni, and the devotion of its friends have made its history one of steady and continuous growth.


By action of the Board of Trustees, taken on April 4, 1935, women students were again admitted to Gettysburg College.

Gettysburg College is fully accredited by the Association of American Universities, and is given an "A" rating by the University of Illinois. The College is also fully accredited by the Department of Public Instruction of Pennsylvania, by the Board of Regents of the State of New York, and by the Association of Colleges and Secondary Schools of the Middle States and Maryland.

Following is a list of the Presidents of the College from its foundation to the present time:

1832-'34	SAMUEL S. SCHMUCKER, D.D.	<i>Founder</i>
1834-'50	CHARLES PHILIP KRAUTH, D.D.	<i>1st President</i>
1850-'68	HENRY L. BAUGHER, D.D.	<i>2nd President</i>
1868-'84	MILTON VALENTINE, D.D., LL.D.	<i>3rd President</i>
1884-'04	HARVEY W. MCKNIGHT, D.D., LL.D.	<i>4th President</i>
1904-'10	S. G. HEFELBOWER, PH.D., D.D., LL.D.	<i>5th President</i>
1910-'23	WILLIAM A. GRANVILLE, PH.D., LL.D.	<i>6th President</i>
1923-	HENRY W. A. HANSON, D.D., LL.D.	<i>7th President</i>

LOCATION

ETTYSBURG is situated in the beautiful rolling country a few miles east of the South Mountain range of the Blue Ridge Mountains. The situation is healthful, and there is a good supply of filtered water. The town is readily reached from all directions by the Reading and the Western Maryland Railways, which connect at Harrisburg, Pa., and Baltimore, Md., with the railway systems of Pennsylvania and the South, and by auto bus lines from Harrisburg, York, Hanover, Chambersburg, and Littlestown. Washington, Baltimore, Harrisburg, York, Hagerstown, Chambersburg, Carlisle, and other centers are connected with Gettysburg by state highways, making it an important automobile tourist center. The Coast-to-Coast Lincoln Highway passes through Gettysburg.

The historic association of Gettysburg with the Civil War gives the locality great interest. The events of the Battle of Gettysburg, July 1-3, 1863, are recorded on nearly 3000 monuments and markers, many of them being of large size and of artistic merit. The battlefield is a National Military Park, having come under Federal control and management in 1895. The whole terrain comprises twenty-four square miles in the main field and fifteen square miles in the cavalry field, which is several miles east of the town. The United States Government owns a total of 2530 acres of this land. The battlefield is accessible by twenty-two miles of improved connecting roads. Many examples of intrenchments, lunettes, and other defensive works have been preserved. Situated on the southern edge of the town is the Gettysburg National Cemetery, at the dedication of which Lincoln made his memorable Gettysburg Address.

BOARD OF TRUSTEES

<i>First Elected</i>		<i>Term Expires</i>
1902	CHARLES BAUM, M.D., PH.D., Middletown,	1937
1907	HON. R. WILLIAM BREAM, Gettysburg,	1938
1908	FRANK E. COLVIN, ESQ., Bedford,	1938
1908	GEORGE B. KUNKEL, M.D., Harrisburg,	1936
1910	CHARLES J. FITE, Pittsburgh,	1938
1914	FREDERICK H. KNUBEL, D.D., LL.D., New York, N. Y.,	1936
1914	PERCY D. HOOVER, M.D., Waynesboro,	1939
1915	HARVEY C. MILLER, Philadelphia,	1936
1916	JOHN B. McALISTER, M.D., Harrisburg,	1940
1917	JEREMIAH ZIMMERMAN, D.D., LL.D., Syracuse, N. Y.,	1936
1918	LOUIS S. WEAVER, M.D., York,	1941
1921	HARRY C. HOFFMAN, M.D.,* Connellsville,	1939
1921	JOSEPH B. BAKER, D.D.,* York,	1937
1922	CHARLES T. LARK, ESQ., New York, N. Y.,	1940
1923	HENRY W. A. HANSON, D.D., LL.D., Gettysburg,	1939
1923	GEORGE H. HUMMEL,* York,	1939
1929	PAUL B. S. RICE, Harrisburg,	1940
1929	CHARLES M. A. STINE, PH.D., Sc.D., LL.D., Wilmington,	1940
1932	JOHN H. BEERITS, Somerset,	1937
1932	HARRY H. BEIDLEMAN, D.D., Hanover,	1937
1932	J. McCREA DICKSON, M.D.,* Gettysburg,	1938
1932	AMOS E. TAYLOR, PH.D., Washington, D. C.,	1941
1935	C. WILLIAM DUNCAN,* Philadelphia,	1941
1935	LEVERING TYSON, LITT.D.,* New York, N. Y.,	1941

* Designated as Alumni Trustees, having been elected on nomination by the Alumni Association.

GETTYSBURG • PENNSYLVANIA

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PERCY D. HOOVER, M.D.	<i>Secretary</i>
GETTYSBURG NATIONAL BANK	<i>Treasurer</i>

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3 Campus

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Dean

127 West Lincoln Avenue

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313 North Stratton Street

REV. CHARLES H. HUBER, A.M., LITT.D.

Director of Women's Division

411 Carlisle Street

GETTYSBURG NATIONAL BANK

College Treasurer

10 York Street



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1935-1936

HENRY W. A. HANSON

3 Campus

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D.D., *Gettysburg College*; LL.D., *Bucknell University* and *Lafayette College*.

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127 W. Lincoln Ave.

Dean

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REV. CHARLES H. HUBER

411 Carlisle St

Director of Women's Division

A.M., *Gettysburg College*. LITT.D., *Gettysburg College*.

GEORGE D. STAHLEY

300 Carlisle St.

Professor Emeritus of Biology and Hygiene

A.B., A.M., *Gettysburg College*; M.D., *University of Pennsylvania*.

MILTON H. VALENTINE

114 Springs Ave.

Professor Emeritus of English Bible

A.B., A.M., *Gettysburg College*. D.D., *Gettysburg College*.

KARL J. GRIMM

238 Baltimore St.

Professor of German

Ph.D., *Johns Hopkins University*.

CHARLES F. SANDERS

135 W. Broadway

William Bittinger Professor of Philosophy

A.B., A.M., *Gettysburg College*. D.D., *Lafayette College*.

FRANK H. CLUTZ

159 W. Broadway

Burton F. Blough Professor of Civil Engineering

A.B., *Midland College*; Ph.D., *Johns Hopkins University*.

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59 W. Lincoln Ave.

Alumni Professor of Mathematics and Director of Dramatics

A.B., *Ursinus College*; Ph.D., *University of Pennsylvania*.

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- THOMAS L. CLINE Hotel Gettysburg
Graeff Professor of English
 A.B., Roanoke College; A.M., Princeton University; PH.D., University of Virginia.
- RASMUS S. SABY 321 Carlisle St.
Professor of Economics and Political Science
 A.B., A.M., University of Minnesota; PH.D., University of Pennsylvania.
- JOHN B. ZINN 201 W. Broadway
Ockershausen Professor of Chemistry
 B.S., Gettysburg College; PH.D., Johns Hopkins University.
- ROBERT P. MARSH 100 W. Broadway
Dr. Charles H. Graff Professor of Biology and Hygiene
 B.S., New York University; M.S., PH.D., Rutgers University.
- ROBERT FORTENBAUGH 150 W. Broadway
Adeline Sager Professor of History
 A.B., Gettysburg College; A.M., Syracuse University; PH.D., University of Pennsylvania.
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Professor of Physical Education
 M.E., Lehigh University; M.A., Columbia University.
- WILLIAM C. WALTEMYER 251 Springs Ave.
Amanda Rupert Strong Professor of English Bible
 A.B., Gettysburg College; B.D., Gettysburg Theological Seminary;
 A.M., PH.D., American University.
- ALBERT BACHMAN 325 N. Stratton St.
Professor of Romance Languages
 PH.D., University of Zurich and Columbia University.

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A.B., A.M., *Wesleyan University*; PH.D., *Princeton University*.
- GEORGE R. MILLER 1 West St.
Sahm Professor of Physics
B.S., M.S., *Gettysburg College*; PH.D., *University of Michigan*.
- W. FREDERICK SHAFFER 143 Carlisle St.
Acting Franklin Professor of Greek
A.B., A.M., *Princeton University*.
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Associate Professor of Chemistry
A.B., A.M., *Gettysburg College*
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A.B., A.M., *Wesleyan University*.
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A.B., A.M., *University of Virginia*; A.M., *Harvard University*; PH.D., *University of Virginia*.

GETTYSBURG COLLEGE

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Assistant Professor of Mathematics
 A.B., A.M., Gettysburg College.
- HERBERT G. HAMME 4 W. Confederate Ave.
Assistant Professor of Romance Languages
 A.B., Dickinson College; A.M., Gettysburg College.
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 A.B., A.M., St. Johns College.
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Assistant Professor of Chemistry
 B.S., Gettysburg College; A.M., Haverford College; PH.D., Princeton University.
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Assistant Professor of Mechanical Engineering
 B.S. in M.E., M.E., Pennsylvania State College.
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Assistant Professor of Romance Languages
 A.B., A.M., Haverford College; *Diplome de Professeur de francais a l'etranger, Universite de Toulouse.*
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 35 W. Broadway
Assistant Professor of Military Science and Tactics (R.O.T.C.)
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Instructor in Physical Education
 B.S., Gettysburg College; A.M., Columbia University.
- *JOHN W. OSTROM
Instructor in English
 B.S., M.A., Gettysburg College.
- * Absent on leave 1935-'36.

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- GEORGE F. GUTMANN 14 Baltimore St.
Instructor in German
A.B., A.M., Gettysburg College.
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Instructor in Military Science and Tactics (R.O.T.C.)
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- DONALD R. HEIGES 227 Carlisle St.
Instructor in Orientation
A.B., Gettysburg College; B.D., Gettysburg Theological Seminary.
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Instructor in English
A.B., A.M., Gettysburg College.
- EARL E. ZIEGLER 427 Baltimore St.
Instructor in Mathematics and Physics
B.S., M.S., Gettysburg College.
- EDWARD P. TURNBACH Theological Sem.
Instructor in English Bible
A.B., Gettysburg College.

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Chapel Proctor

DONALD LAU
Assistant to the Registrar

GETTYSBURG • PENNSYLVANIA

Committees of the Faculty

Admission to Freshman Class

STOVER, CLUTZ, ARMS

Advanced Standing

STOVER, TILBERG

Freshman Scheduling

STOVER, REEN, SALTZER, CESSNA

Curriculum

ZINN, TILBERG, GRIMM, SANDERS, CLUTZ, KRAMER,
CLINE, SABY, GLENN

Scholastic Standing

TILBERG, GRIMM, ARMS, REEN, WALTEMYER

Hour Schedule

CLINE, CLUTZ, KRAMER, BILHEIMER, REEN

Bulletin

STOVER, TILBERG, REEN, MASON

College Discipline

SANDERS, TILBERG, WALTEMYER

Student Absences

TILBERG, CLINE, REEN

Library

FORTENBAUGH, BACHMAN, LARKIN, KNICKERBOCKER

Students' Publications

CLINE, WALTEMYER, SABY

Supervision of Finance of Student Organizations

SABY, CLINE, SANDERS, TILBERG

GETTYSBURG COLLEGE

Supervision of Social Functions

TILBERG, GLENN, REEN

Student Organizations

KRAMER, TILBERG, GLENN

College Musical Organizations

SHAFFER, SALTZER

Athletic Council

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Alumni Representative, President

PERCY D. HOOVER, M.D.

Representative of the Board of Trustees, Vice-President

CLAYTON E. BILHEIMER

Athletic Director, Secretary

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Alumni Representative

ROBERT MORRIS

ROBERT S. SASSAMAN

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JOHN B. MCALISTER

Ex-officio, President of the Board of Trustees

HENRY W. A. HANSON

Ex-officio, President of the College

ADMISSION

Application for Admission



PERSONS desiring to enter the College should make written application for admission on an official certificate form to be obtained from the Registrar. In the application they should present evidence of a good moral character and of the fulfillment of the entrance requirements, and state the degree for which they will be candidates. Students coming from other institutions must present certificates of good standing and honorable dismissal. Men and women students are admitted to the College on equal terms.

An applicant who states in his application that he will not be a candidate for a degree will, if admitted, be enrolled in the list of "Students not Candidates for a Degree" and be permitted to take only such work as he is prepared to pursue to advantage; however, this work must include Orientation, English A, and Military Science or Physical Education.

All changes of enrollment with reference to degrees require that the candidate must make application for, and satisfy the requirements of, the degree for which he becomes a candidate.

Methods of Admission

A student is admitted either by *examinations* held on the Monday preceding the formal opening of the College in September, or by presenting a *certificate* from an approved secondary or high school or from an approved private instructor. The certificate must state the amount of work done and the time spent on each subject, together with the grades received. To insure the presentation of the necessary informa-

GETTYSBURG COLLEGE

tion for the Committee on Admission to Freshman Class all certificates and applications for admission should be presented on the official forms, which may be obtained from the Registrar. These certificates should be filled out and returned to the Registrar before the beginning of the college year.

Registration

Every student must call at the Registrar's office at the beginning of the college year to secure instructions in regard to registration and enrollment in classes, and must attend to the details according to the instructions given.

A new student must sign the matriculation pledge and pay the registration fee of five dollars. Every one, whether a new student or one previously in attendance, must register at the beginning of each year. Registration after the periods announced is penalized by the imposition of a fee of five dollars, with an added fee of one dollar for each day of tardiness. Any student entering late will be held responsible for making up all work from the beginning of the semester. No student will be permitted to register later than two weeks after the appointed registration days, except by special permission of the Faculty.

Requirements for Admission

Only those are admitted who are graduates of a standard high school or who present evidence of having equivalent preparation.

The scholarship requirement for admission to the Freshman class is the satisfactory completion of fifteen units of work, of which three units must be in English and two units in Mathematics. To make up the total of ten units in addition to the five units of prescribed English and Mathematics, the applicant for admission may offer any subjects given in an approved secondary or high school as listed below. Students expecting to enter an Engineering Course should have two years of Algebra and a half year of Plane Trigonometry.

GETTYSBURG • PENNSYLVANIA

A unit of work in any subject is the amount of work done in a standard secondary school in a year of thirty-two weeks with five recitation periods per week of forty-five minutes each. No student will be admitted as a candidate for any degree who does not fully satisfy these requirements.

Although English and Mathematics are the only subjects specifically prescribed for admission to the College, a student may pursue only those subjects in the college curriculum for which he has had adequate preparation. Prerequisite studies not offered for entrance must be taken before the college studies for which they are prerequisite may be taken, and such prerequisite studies are not accredited toward graduation.

Applicants for admission as "Students not Candidates for a Degree" who do not present the full requirements of fifteen units can be admitted only by Faculty action.

Rating of Subjects for Admission

ENGLISH

Grammar, composition, and literature, as recommended by the National Conference on Uniform Entrance Requirements.....3 units

MATHEMATICS

- A. Algebra—to quadratics.....1 unit
- B. Algebra—quadratics and beyond..... $\frac{1}{2}$ or 1 unit
- C. Plane Geometry.....1 unit
- D. Solid Geometry..... $\frac{1}{2}$ unit
- E. Plane Trigonometry..... $\frac{1}{2}$ unit
- F. Unified Mathematics..... $\frac{1}{2}$ or 1 unit

GREEK

- A. Grammar and four books of Xenophon.....2 units
- B. Composition, three books of Homer, and sight translation.....1 unit

LATIN

- A. First and second year2 units
- B. Third year.....1 unit
- C. Fourth year.....1 unit

GETTYSBURG COLLEGE

*FRENCH

One to three years..... 1 to 3 units

*GERMAN

One to three years..... 1 to 3 units

*SPANISH

One to three years..... 1 to 3 units

HISTORY

United States..... $\frac{1}{2}$ or 1 unit

English..... $\frac{1}{2}$ or 1 unit

Ancient..... $\frac{1}{2}$ or 1 unit

Medieval..... $\frac{1}{2}$ or 1 unit

Modern European..... $\frac{1}{2}$ or 1 unit

ECONOMICS..... $\frac{1}{2}$ or 1 unit

SOCIOLOGY..... $\frac{1}{2}$ or 1 unit

CIVICS..... $\frac{1}{2}$ or 1 unit

PROBLEMS OF DEMOCRACY..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, POLITICAL AND PHYSICAL..... $\frac{1}{2}$ or 1 unit

GEOGRAPHY, COMMERCIAL..... $\frac{1}{2}$ or 1 unit

COMMERCIAL LAW..... $\frac{1}{2}$ or 1 unit

PHYSIOLOGY..... $\frac{1}{2}$ or 1 unit

CHEMISTRY

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

PHYSICS

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

BIOLOGY (*Botany, Zoölogy*)

One year with laboratory work..... 1 unit

One year without laboratory work..... $\frac{1}{2}$ unit

* College credit is not allowed for an "A" course taken in college if this work has been accepted for entrance credit.

GETTYSBURG • PENNSYLVANIA

GENERAL SCIENCE..... $\frac{1}{2}$ or 1 unit

The candidate may offer not more than a total of three units from: Agriculture, Mechanical Drawing, Shop Work, Bookkeeping, Typewriting, Stenography.*

Admission to Advanced Standing

A student who has matriculated at another institution of college rank and applies for admission to Gettysburg College, is required to submit to the Registrar evidence of work pursued and a letter of honorable dismissal. If the record shows that his work has been done with an average of not less than "C" grade, and with such a grade as would have permitted his continuance as a student at Gettysburg College, the applicant may be admitted to advanced standing.

Advanced credit is given for courses taken *in the regular session* of a college on the approved list of The Association of American Universities, or of the University of Illinois. Students from other colleges are subject to examinations in those courses for which they wish to obtain advanced credit.

A former student of Gettysburg College may be readmitted and given advanced credit on the same conditions.

Work taken in the summer session of an approved institution is recognized without examination provided previous arrangement for taking such work has been made with the Registrar.

No one is admitted to college after the beginning of the Senior year, except by special action of the Faculty.

* 240 hours in these subjects constitute a unit.

CURRICULUM

Degrees



COURSES of study consist of four years of college work, and lead to the degree of Bachelor of Arts, or to the degree of Bachelor of Science in Engineering. Each candidate for a degree must absolve the specified requirements of majors, minors, and electives together with the general requirements as prescribed.

Freshman Counselors

When a student is admitted to the College, the Dean designates some member of the Faculty as his special counselor. Weekly conferences are arranged in an effort to aid the student in solving the problems connected with his first year in College.

Advisers

When the student chooses his major subject, the professor in charge of that department becomes his adviser and continues as such thruout his course. The adviser is the medium of communication between the student and the Faculty and may be consulted in all matters. Each year the student must secure his adviser's approval of his study list.

Courses and Credits

The courses of instruction are given in detail on pages 39-98. The amount of credit given for each course is specified in terms of *semester hours*. A *semester hour* of college work consists of one hour per week of lectures or classwork, or two or three hours of laboratory work (or laboratory work combined with classwork), drawing, shopwork or field work, per week for one semester. Credit for one semester's work, in a course

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running thru the year, is given only on the written recommendation of the department concerned.

A record is kept of the work done by each student, giving the semester hours and the grades. The grades of scholarship are designated as follows: A (excellent); B (good); C (fair); D (poor, barely passed); E (failed, but entitled to a re-examination); and F (failed utterly and must repeat with the next class). In addition to these grades a student's record may show a subject marked "Inc," meaning "incomplete." This notation is given in all cases where the grade is passing, but the work is not completed for reasons beyond the student's control.

Each student who graduates will, on request in person, be furnished with a certified copy of his college record. A request for such certificates, when these are to be furnished in duplicate or thru correspondence, should be accompanied by a remittance of one dollar. Students who leave college before graduation and who are in good standing are entitled to certificates on the same terms.

Report

A report of the student's work is sent to his parents or guardian at the end of each semester. If a student is doing unsatisfactory work his parents or guardian may be notified at any time.

Choice of Courses and Enrollment

Most of the studies in the Freshman and Sophomore years are prescribed, but in the Junior and Senior years the student has a choice of subjects under the major and minor system. The list of subjects selected by the student for the ensuing year (including the major subject, the minors, and the electives), approved by the adviser, must be filed by the student in the Registrar's office each year, except the Senior year, on or before a date (in May) to be announced. The study list must include any subjects in which the student may have incurred a deficiency. The student will receive no credit in classes in which he is not properly enrolled.

After the first week of the year changes in the student's study list can be made only with the written consent of his adviser and of the instructors concerned and with the approval of the *Committee on Scholastic Standing*. No regular student may drop a subject without permission of the *Committee on Scholastic Standing*; failure to secure such permission will be regarded as a deficiency in that subject.

A candidate for a degree is not allowed to take less than twelve semester hours except by special action of the *Committee on Scholastic Standing*. In the case of a student assistant doing actual teaching, such teaching may be counted as part of his schedule.

A student who has been enrolled as a candidate for a degree may not change his status except on written request from his parents or guardian.

Maximum Schedule

Freshmen, in the A.B. course, are limited to a fifteen hour schedule. Other students in the A.B. course are limited to a sixteen hour schedule except as follows: (a) if the student during the preceding year attains a quality point average of 1.500, he will be permitted to carry an eighteen hour schedule; (b) if he attains a quality point average of 2.500, he will be permitted to carry a twenty hour schedule in the Junior year and a twenty-one hour schedule in the Senior year; (c) in either the Junior or Senior year (not both) a student may be permitted (without reference to the requirements in "a" or "b") to carry a maximum schedule of thirty-six hours, or not more than eighteen hours for one semester, provided he has obtained the permission of the Committee on Scholastic Standing.

All students in the A.B. course are limited to a schedule of not more than one hundred and thirty credit hours in four years except as allowed in "a" or "b."

For schedule limitations in the B. S. course see page 36.

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Class Rating and Scholarship Deficiencies

A student will not be advanced in class enrollment (or rating) at the beginning of any year if he is deficient in quality points or in as much as one-third of the previous year's work (reckoned by semester hours); and if on October 20 he is still thus deficient his rating will not be advanced during that academic year.

Majors and Minors

Each candidate for the Degree of Bachelor of Arts should choose as early as possible, and not later than the Spring Registration date of the Sophomore year, a major subject on which he intends to concentrate, one minor subject related to the major, and a second minor subject not related to the major. As soon as the choice of major has been certified by the Registrar, the professor in charge of the major subject becomes the student's adviser and continues as such until the end of the Senior year. The adviser must approve a list of studies for the student for each year, including the major and minors and electives, which list must be given to the Registrar on or before the date of Spring Registration. The major subject may not be changed except at Spring Registration or at the beginning of the college year, and then only with the approval of the instructors concerned and the Registrar.

A major consists of at least twenty-four* semester hours in a single subject. A minor consists of at least twelve semester hours in a single subject and may not include "A" courses. The following subjects may be chosen as majors:

Biology	French	Mathematics
Chemistry	German	Philosophy
Economics	Greek	Physics
Education	History	Political Science
English	Latin	Spanish

* In special cases, by approval of the Curriculum Committee, this may include "A" courses and courses allied to the major.

Requirements for the Bachelor's Degree

The Bachelor's Degree will be conferred upon the student who, being properly enrolled as a candidate, fulfills the following requirements:

(1) He must satisfactorily complete 120 semester hours of work.

(2) He must earn as many Quality Points as semester hours required for graduation in his case.*

(3) He must complete the prescribed work as indicated on pages 30-31 and 34-37, including all preparatory or prerequisite work, and the major, minors, and electives approved by his adviser.

(4) He must complete in residence one academic year of two consecutive semesters (not less than thirty semester hours).

(5) He must deposit with the Registrar not later than October 15 preceding the date of his expected graduation a written statement indicating the date when he expects to complete his work, the degree for which he is a candidate, and his major subject.

(6) *He must remove all conditions and failures by the end of the first semester of his Senior year.* Work that can be passed, for graduation at the expected time, only by repeating the course during the second semester of the Senior year will be considered as not coming under this rule.

(7) He must be present at the Commencement exercises unless excused by the Faculty.

Prescribed Work for the Degree of Bachelor of Arts

The requirements for the Bachelor of Arts degree provide for a liberal distribution as well as concentration for mastery in a given field.

* For a complete statement of the Quality Point rule, see page 109.

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For *distribution* the following is required of all students:

	SEMESTER HOURS
Orientation	3
English A.....	6
English Bible 1.....	3
Problems of Life (Senior Course).....	3
Comprehensive Examination (beginning with 1934-'35; required of Seniors).....	0
Military Science or Physical Education—2 Years....	0
French and Spanish*	12 semester hours in two..... 12
German*	
Greek*	
Latin*	
Mathematics (Pure)	12 semester hours in at least two†..... 12
Philosophy	
Pol. Sci. and Econ.	
History	
English Literature	12 semester hours in at least two..... 12 (at least 6 semester hours to be a foreign language in the original)
Latin Literature	
Greek Literature	
German Literature	
French Literature	
Spanish Literature	12 semester hours in two.... 12
Biology 1	
Chemistry 1	
Physics 1	
Total for distribution.....	63

* Above the "A" course.

† 6 and 6 preferred, but may be 6, 3 and 3 at discretion of the adviser.

For *concentration* each student is required to absolve one major of twenty-four hours in one subject, one minor of twelve hours in the same group as the major, a second minor of twelve hours outside the group of the major. "A" courses may not

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be counted*. Following is the arrangement of groups for the major and minor concentration:

GROUP 1	GROUP 2	GROUP 3
English	Philosophy	Mathematics (Pure)
Latin	Political Science	Biology
Greek	Economics	Chemistry
German	History	Physics
French	Education	
Spanish	Bible	

The provisions of this bulletin are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change any provision or requirement at any time within the student's time of residence.

Notes on the Curriculum

1. A student is not allowed to take the beginning course in more than one foreign language in the freshman year.
2. When a language is continued, an "A" course must be followed by course 1 the next year.
3. Students intending to take a major in Mathematics or Physics will normally take Physics in the Freshman year. Pre-medical students and those intending to take a major in Biology or Chemistry will take the beginning course in their major subject; other students may elect any one of the three sciences.

Courses under the Major and Minor System

A variety of courses of study may be arranged under the different majors in the above list by the choice of minors and electives to meet a wide range of requirements. Suggestions for a few such courses are given on following pages.

Classical Course

Those desiring to pursue a classical course will select a major in Greek or Latin and a minor in Latin or Greek. Students

*In special cases, by approval of the Curriculum Committee "A" courses may be counted.

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who enter the College with the intention of preparing for the Christian ministry are urged to take this course.

Business Administration

Those who are looking forward to a business career will as a rule major in Economics and Business Administration. The courses here offered are of a liberal type as distinguished from the vocational or professional, and aim to give a broad, general training in the field of business and economics. Suggested courses are listed on page 36.

Courses in Preparation for Technical Positions

Besides the courses in Civil, Electrical, and Mechanical Engineering, intended to fit men for technical and industrial positions in those lines, courses may be arranged with Chemistry as a major, which will well prepare men to fill the many positions in industrial or applied chemistry; or courses with Physics as a major, which will prepare for similar positions in applied physics.

Courses for Prospective Teachers

A student preparing to teach should choose as his major the subject he prefers and expects to teach. He should choose as his minor the subject that is his second choice. His electives should include subjects for general cultural training and courses in Education. He should see that he satisfies the school code requirements of the state in which he expects to teach.

Gettysburg College, for the year 1931-'32, made a considerable break with tradition in the arrangement of the Education courses. A minimum list of topics was made. This list included all the skills, viewpoints, information, etc., which the college feels all prospective high school teachers should have. These topics were then distributed among the several courses, wherever they seemed best to fit in sequence, largely disregarding the traditional names of courses.

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This was done to overcome two very annoying difficulties of long standing:

1. The insistence by State Departments upon courses under certain titles, these varying among the States.

2. The consequent duplication of work in these courses.

In the new arrangement there is no actual duplication of work. Where the topic appears twice, a different phase of the work is taken each time.

The list of topics was submitted to the several State Departments chiefly concerned for their approval. Pennsylvania and New York State have given their approval.

Those intending to teach should take the following courses, and as nearly in the sequence given as possible:

Sophomore year, 1st semester, Ed. 1b.....	3 sem. hrs.
2nd semester, Ed. 32*.....	3 sem. hrs.
Junior year, 1st semester, Ed. 5.....	3 sem. hrs.
2nd semester, Ed. 25.....	3 sem. hrs.
Senior year, 1st semester, Ed. 33.....	3 sem. hrs.
Either semester, Ed. 11.....	3 sem. hrs.

General Psychology (Philosophy 1) is a prerequisite. This should be taken in the Sophomore year, if possible.

Students are not recommended to teach any subject in which their average is below B.

Pre-Medical Course

Those who are preparing to study medicine should major in Biology or Chemistry.

Pre-Legal Course

Those who after graduation expect to study law should major in Political Science and take as minors Economics and History.

* In order to meet the Maryland requirement this must be taken in the Junior or Senior year.

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Prescribed Work for the Degree of Bachelor of Science in Engineering

FOR ENTRANCE REQUIREMENTS SEE PAGE 86

COURSES REQUIRED OF ALL ENGINEERS

	SEMESTER HOURS
English A.....	6
English Bible 1.....	3
Orientation.....	3
Literature	12
Modern Language	
History	
Philosophy	
Political Science 1.....	3
Economics 1 and 105.....	6
Chemistry 1.....	6
Mathematics 4a, 4b and 6.....	16
Physics 2.....	6
Military Science or	0
Physical Education (2 years)	
Engineering 1, (Mechanical Drawing).....	4
Engineering 2, (Graphics).....	2
Engineering 3, (Mechanics).....	3
Engineering 5, (Hydraulics).....	3
Engineering 6, (Strength of Materials).....	7
Engineering 7, (Elements of Electrical Engineer- ing).....	6
CE-A, (Surveying).....	3
CE-21, (Contracts and Specifications).....	1
CE-26, (Engineering Seminar).....	2
*CE-27, (Engineering Economics).....	6
ME-36, (Heat Power Engineering).....	6
Total.....	104

Additional courses required for the majors listed:

* Military Science 7 and 8 may be substituted. This is the only Military Science that may be applied towards the required number of hours.

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Civil Engineering

	SEMESTER HOURS
Engineering 2, (Graphics).....	2
CE-11, 12, (Plane Surveying).....	6
CE-13, (Surveying).....	2
CE-17, (Railroads).....	2
CE-18, (Structural Design).....	6
CE-19, (Structural Design).....	6
CE-23, (Highways).....	2
Elective.....	<u>3</u>
Total.....	29

Electrical Engineering

ME-31, 32, (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
EE-45, (Theory of Electrical Machinery).....	6
EE-46, (Characteristics of Electrical Machinery).	3
EE-47, (Electrical Engineering Laboratory).....	2
Elective in Electrical Engineering.....	<u>3</u>
Total.....	29

Mechanical Engineering

ME-31, 32 (Shop Work).....	2
ME-33, (Kinematics).....	3
ME-34, (Machine Design).....	2
ME-35, (Machine Design).....	6
ME-37, (Heat Power Engineering).....	3
ME-38, (Power Plant Engineering).....	3
ME-39, (Mechanical Engineering Laboratory)....	2
Elective in Engineering Courses.....	<u>8</u>
Total.....	29

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	Civil Engineering		Electrical Engineering		Mechanical Engineering	
Year	Re-quired	Max-imum	Re-quired	Max-imum	Re-quired	Max-imum
Freshman.....	30	30	30	30	30	30
Sophomore.....	30	36	31	37	31	37
Junior.....	37	40	37	40	37	40
Senior.....	36	39	35	38	35	39
Totals.....	133	145	133	145	133	146

In order to obtain the degree of Bachelor of Science in Engineering the student must have completed satisfactorily the total work and semester hours as scheduled above, and have as many Quality Points as semester hours required for graduation in his case.

Courses Suggested for Business Administration Students

Freshman Year

	SEMESTER HOURS
English A.....	6
Orientation.....	3
English Bible 1.....	3
Modern Language.....	6
Mathematics 1, 2.....	6
Economics A, (Accounting & Introd. to Business)	6
Military Science or Physical Training.....	0
Total.....	30

Sophomore Year

Political Science 1, (American Government).....	3
Economics 1, (Principles).....	3

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	SEMESTER HOURS
Mathematics 11, (Mathematics of Investment)...	3
Mathematics 13, (Statistics).....	3
Electives.....	18
Military Science or Physical Education.....	<u>0</u>
Total.....	30

Junior Year

Economics 102, (Money and Credit).....	3
Economics 107, (Labor Problems).....	3
Economics 112, (Marketing).....	3
Economics 103, (Banking and Credit Control)....	3
Political Science.....	6
Electives.....	<u>12</u>
Total.....	30

Senior Year

Economics 6, (Business Organization).....	3
Economics 108, (Corporation Finance).....	3
Economics 9, (Transportation).....	3
Economics 16, (Public Utilities).....	3
Economics 105, (Business Law).....	3
Political Science 6, (Business and Government)...	3
Electives.....	<u>12</u>
Total.....	30

Students in Economics and Business Administration will also be specially interested in Mathematics 15 (Costs and Depreciation), and Philosophy 12 (Psychology of Business and Industrial Management).

COURSES OF INSTRUCTION

Bible

(SEE ENGLISH BIBLE)

Biology and Hygiene

Professor MARSH and MR. DIBBLE

A major in Biology includes Courses 1, 2 or 3, 4 or 5.

1. GENERAL BIOLOGY—A course designed to give the student a conception of the fundamental facts and theories of biological science. The course includes a study of such typical examples of plants and animals as are suitable to demonstrate the basic principles of structure and function of living organisms. The laboratory work includes, in addition to the study of specimens, instruction in simple methods of preparing materials upon which the laboratory studies are made.

*Three periods and three laboratory hours thruout the year.
Credit of six semester hours.*

Sec. 1, M. W. F.	11	Lab. Sec. a, M.	1
Sec. 2, Tu. Th. S.	11	Lab. Sec. b, Tu.	1
Sec. 3, M. W. F.	7:45	Lab. Sec. c, W.	1
		Lab. Sec. d, Th.	1

2. VERTEBRATE ZOÖLOGY—The course is based upon a careful laboratory study of representative forms of the vertebrates. Special emphasis is placed upon the comparative anatomy of the forms studied, the general physiological function of the organs, and the relationships existing among the various groups, based upon their evolutionary development.

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*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

Alternates with course 3. Not given 1936-'37.

3. ANATOMY—A course of comparative mammalian anatomy and the elements of human anatomy and physiology. The course is based upon a careful study of the human skeleton and a thoro dissection of a typical mammal.

*Three periods and three laboratory hours, first semester.
Credit of three semester hours.*

Tu. Th. S. 9 Lab. F. 1

4. EMBRYOLOGY—A course demonstrating the principles of vertebrate embryology, based upon the frog, chick, and pig. The work includes laboratory studies of the histology of adult reproductive organs, development and maturation of sex cells, segmentation, development of the germ layers and organs, and the formation of the external form of the body. The laboratory work includes the study of prepared slides, the preparation of whole mounts of chick embryos, and the technique of preparing serial sections and their use.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

Alternates with course 5. Not given 1936-'37.

5. HISTOLOGY—The work covers those structures ordinarily included in general histology, and includes a thoro study of the primary tissues and the main organs. Considerable time is given to the technique of slide preparation, from the living material to the finished slide. In addition to the slides prepared by himself, the student has access to the slide library. Course alternates with Embryology.

*Three periods and three laboratory hours, second semester.
Credit of three semester hours.*

Tu. Th. S. 9 Lab. F. 1

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6. **BOTANY**—The course is intended to give the student an appreciation of the rôle of plants in nature, their general structures, physiological functions, and relations to man. The laboratory work includes the study of typical representatives of the main groups of plants, special attention being given to the bacteria, molds, and flowering plants. *Three periods and three laboratory hours thruout the year. Credit of six semester hours.*
Prerequisite: Biology 1.

M. W. F. 9 Lab. Tu. 1

7. **HISTORY OF BIOLOGY**—This course is designed to give the student an appreciation of the historical growth of biological science, and, based upon this, a clearer appreciation of the present status of our knowledge of the various biological fields of study. The course presupposes a knowledge of technical laboratory training in several biological sciences in order to follow the course profitably. The work is based upon Locy's *Biology and Its Makers*. Work includes class exercises and library reading. *Three periods, second semester. Credit of three semester hours.*

M. W. F. 10

8. **PHYSIOLOGY**—A course of instruction in general physiology, dealing especially with the functions of Excretion, Digestion, Circulation, Respiration, and Reproduction, and the structures correlated therewith. *Three periods and two laboratory hours, first semester. Credit of three semester hours.*

Sec. 1, M. W. F. 10 Lab. W. 1

Sec. 3, M. W. F. 10 Lab. Th. 3

9. **BIOLOGICAL SEMINAR**—A course for advanced students and those preparing to teach. Work consists of reading and discussion of material appearing in the current journals, or reviews of recent books. Designed to familiarize the student with the use of scientific publications.

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Two periods thruout the year. Credit of four semester hours.

M. 6:30 P.M.

11. GENERAL BACTERIOLOGY—Nature and products of bacteria; their industrial applications; the bacteriology of soil, water, milk, and other food products. Laboratory technique; isolation and cultural studies of micro-organisms. *Two periods and two laboratory hours thruout the year. Credit of four semester hours.*

Tu. Th. 11 Lab. S. 10

- 12a. PERSONAL AND PUBLIC HYGIENE—Fundamental problems under the general caption of health conservation, effective for national prosperity through the hygienic habits of the ultimate citizen.

Two periods, first semester. Credit of two semester hours.

W. F. 10

- 12b. PERSONAL AND PUBLIC HYGIENE—Contagious diseases, the social peril of our day, and the place of heredity in race betterment.

Two periods, second semester. Credit of two semester hours.

W. F. 10

Chemistry

Professor ZINN, Associate Professor STOVER, Assistant Professor SLOAT, and Assistants

A major in Chemistry includes Courses 1, 2, 3, 4. Organic Chemistry taken in the Summer School may not be applied towards the requirements of a major in Chemistry.

The courses in Chemistry are not designed to prepare specialists in any department of the subject, but to give a general training in the science. The successful completion of these courses will prepare the student to enter on graduate or professional studies in any leading university, or qualify him for

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a more successful pursuit of any technical business, or fit him to teach Chemistry in secondary schools.

1. **GENERAL CHEMISTRY**—A study of the occurrences, properties, uses, and methods of preparation of the more common elements and their compounds and the theoretical principles involved.

Two lectures, one recitation, and three hours of laboratory work thruout the year. Credit of six semester hours.

Sec. 1, M. W.	10 F. 11	Lab. M. 1
Sec. 2, M. W.	10 F. 11	Lab. Tu. 1
Sec. 3, M. W. F.	10	Lab. W. 1
Sec. 4, M. W. F.	10	Lab. Th. 1

2. **QUALITATIVE ANALYSIS**—Study of the methods commonly used in the analysis of simple salts, mixtures of salts, and various commercial products.

One lecture and six laboratory hours thruout the year.

Credit of six semester hours.

Prerequisite: Chemistry 1 and Mathematics 1 and 2.

Sec. 1, Th. 9	Lab. M. F. 1
Sec. 2, Th. 9	Lab. Tu. W. 1

3. **QUANTITATIVE ANALYSIS**—Essentially a laboratory course. Familiarity with the work and principles is sought by the solution of numerous problems. Lectures are given as found desirable.

Nine laboratory hours (including necessary lectures) thruout the year. Credit of six semester hours.

Prerequisite: Chemistry 1 and 2.

Lab. Tu. W. Th. 1

4. **ORGANIC CHEMISTRY**—Systematic study of the compounds of the aliphatic and aromatic series, including the preparation of a considerable number of these substances in the laboratory.

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*Three lectures and six laboratory hours thruout the year.
Credit of ten semester hours.*

Prerequisite: Chemistry 1 and 2.

M. W. F. 9 Lab. M. Tu. 1

5. PHYSICAL CHEMISTRY—The atomic and kinetic theories, simple gas laws, determination of atomic and molecular weights, homogeneous and heterogeneous equilibria, phase rule, colloids, indicators, electrolytic conductance, law of "mass action," and electron conception of valence.

*Two lectures and three laboratory hours thruout the year.
Credit of six semester hours.*

Prerequisite: Chemistry 1 and 2, Physics 1, and Mathematics 3 and 5.

Tu. Th. 10 Lab. Th. or F. 1

6. SPECIAL QUANTITATIVE METHODS—Advanced and applied analysis, such as mineral, ore, and water analysis, the examination of foodstuffs and manufactured articles.

Hours and credit as arranged.

Prerequisite: Chemistry 1, 2, and 3.

9. TEACHER'S COURSE—Methods of teaching Chemistry in the High School.

*One lecture and three hours of laboratory thruout the year.
Credit of four semester hours. Hours as arranged.*

Economics and Business Administration

Professor SABY and Associate Professor LARKIN

A major in Economics and Business Administration consists of twenty-four semester hours, six of which may, with the approval of the adviser, be taken in related fields outside the department.

- A. ELEMENTARY ACCOUNTING AND INTRODUCTION TO BUSINESS—This course aims to make clear accounting con-

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cepts and references to accounting procedure frequently encountered in our daily reading and especially in courses in Economics.

Freshman course. Three lectures and a three-hour practice period thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 1 Lab. Sec. a, M. 1-4

Sec. 2, Tu. Th. F. 1 Lab. Sec. b, Tu. 1-4

Lab. Sec. c, W. 1-4

Lab. Sec. d, Th. 1-4

1. PRINCIPLES OF ECONOMICS—The purpose of this course is to give the student a thoro grounding in the principles of Economics as a preparation for further economic study and as an aid to intelligent citizenship.

Prerequisite for all other courses in Economics, except Economics A.

Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, second semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

102. MONEY AND CREDIT—The study of money as a medium of exchange and a standard of value, together with an analysis of paper, bimetallic, gold, gold exchange and tabular standards of money. The nature of credit and the use of credit instruments in domestic and foreign exchange.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

103. BANKING AND CREDIT CONTROL—A study of the structure and operation of commercial banking; central banking systems and credit policy; the relation between money, credit and prices.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 9

105. BUSINESS LAW—This course is designed to give the student a knowledge of the legal rights and obligations arising out of common business transactions. The fundamental laws pertaining to contracts, partnerships, corporations, negotiable instruments, sales, etc., are examined.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 10

107. LABOR PROBLEMS—The causes of industrial grievances and the various solutions offered by organized labor, employers, and legislators.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

M. W. F. 11

6. BUSINESS ORGANIZATION—A study of the various forms of business organization with special reference to the corporation, followed by an analysis and appraisal of the various forms of combination.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

M. W. F. 7:45

108. CORPORATION FINANCE—A study of the financial methods of the average business enterprise in obtaining capital and of its policies in the administration of earnings. Attention is also given to the causes of business failure and the methods of reorganization.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.
Prerequisite: Economics 6.*

M. W. F. 7:45

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9. TRANSPORTATION—A survey of all types of American inland transportation, including rail, water, motor and air transport, with special emphasis on the problem of their coordination. Railway rate structure and regulation will be given careful consideration together with the problem of regulation of the other forms of transportation.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Alternates with course 112. Not given 1936-'37.

16. PUBLIC UTILITIES—A comprehensive study of public utilities—their history, characteristics, economic and social implications, present condition and probable future status. Includes an analysis of their valuation, rates of return and regulation.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Alternates with course 107. Not given 1936-'37.

112. MARKETING—An introduction to the study of marketing followed by a brief treatment of the more important market functions and a description of the institutions set up in our market organization.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 11

18. SENIOR READING COURSE—Supervised reading in the field of Economics and Business Administration.

Open to Seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

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Education

(SEE PAGE 32)

Professors KRAMER and SANDERS, and Assistant Professor JOHNSON

A major in Education includes Courses 5, 11, 25. Courses in other departments may be included in a major in Education.

Those who have in mind even vaguely the idea of teaching should consult the Education Department as early in their college work as possible. There are certain requirements which the prospective teacher must meet in order to qualify for the work.

- 1b. HISTORY OF EDUCATION—Beginning with 1931-'32, this course has been a combination of general history of education and history of education in the United States. About nine periods will be given to presenting the ideas of changing aims and changing methods, to outstanding educators of the old world who have influenced American education, to ancient and mediaeval universities, academic costume and decorum, etc., and to a comparison of European and American school systems. Some time will be given to a special study of the history of education in Pennsylvania, and also to that of Gettysburg College. The rest of the time will be given to the study of the history of education in the United States, largely following the topics given in Cubberly's *Public Education in the United States*. The topics will be treated in the light of their practical effect upon our schools. The underlying philosophy will also be stressed. *Sophomore course. Open to Juniors and Seniors. Three periods, either semester. Credit of three semester hours.*

Sec. 2, Tu. Th. S. 7:45 2d Semester

Sec. 4, Tu. Th. S. 9 1st Semester

Sec. 6, Tu. Th. S. 10 2d Semester

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2. **PHILOSOPHY OF EDUCATION**—This course seeks to discover the principles which should govern the aims and the methods of education. It takes into account the nature of man and his capacities for education, and the nature of society and the effects of education on social structure and direction. The course is based on a critical study of John Dewey.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

5. **EDUCATIONAL PSYCHOLOGY**—This course deals with the psychology of learning, educational measurements, intelligence tests, individual differences, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sec. 1, M. W. F. 7:45 2d Semester

Sec. 3, M. W. F. 11 2d Semester

Sec. 5, M. W. F. 1 1st Semester

11. **STUDENT TEACHING**—This course will require observation, participation, and actual teaching for at least one hour a day for the five school days, with one hour a week of conference in connection therewith. The observation, participation, and practice teaching will be done in the appropriate field, in a secondary school, under the direction of the teacher in charge, and under the supervision of one of the Education professors, to meet the requirements of the State of Pennsylvania. This course is open only to those who are approved by committee action.

Senior course. Six periods, first or second semester. Credit of three semester hours.

Prerequisite: Education 5 and 25.

Group conference hours as arranged.

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25. INTRODUCTION TO HIGH SCHOOL TEACHING—Techniques of High School Teaching. This is an introductory course to the field of teaching in secondary schools, dealing largely with the techniques of teaching, etc.

Junior course. Three periods, either semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45 1st Semester

Sec. 3, M. W. F. 11 1st Semester

Sec. 5, M. W. F. 1 2d Semester

32. SOPHOMORE COMBINATION COURSE—The first third of the course is made up of those topics of Educational Sociology (formerly given as Ed. 12) not covered in other courses; some time will be given to Philosophy of Education not covered elsewhere; a considerable amount of time will be given to the topics usually covered by Principles of Secondary Education not covered elsewhere; and a considerable amount of time to the topics usually covered by Public School Administration not covered elsewhere. (Given for the first time in 1931-'32.)

Sophomore course. Three periods, either semester. Credit of three semester hours.

Sec. 2, Tu. Th. S. 7:45 1st Semester

Sec. 4, Tu. Th. S. 9 2d Semester

Sec. 6, Tu. Th. S. 10 1st Semester

33. SENIOR COMBINATION COURSE—The course includes those phases of the courses mentioned below which have not been covered elsewhere:

Tests and Measurements, about 12 class hours,
Statistical Methods, about 7 class hours,
Teaching How to Study, about 6 class hours,
Extra-Curricular Activities, about 3 class hours,
The Morrison Plan, about 6 class hours,
Adolescent Psychology, about 3 class hours,
Visual Education, about 16 class hours.

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The building up of a proper philosophy of education will be carefully watched thruout. (Given for the first time in 1931-'32.)

Senior course. Three periods, either semester. Credit of three semester hours.

Both semesters.	Sec. 1, M. W. F.	10
Second semester.	Sec. 2, Tu. Th. S.	7:45
First semester.	Sec. 3, M. W. F.	11

Various departments offer courses in methods. Consult the head of the Department of Education.

Gettysburg College has a chapter of Kappa Phi Kappa, the professional undergraduate national education fraternity. Membership is limited to upperclassmen definitely interested in teaching as a profession. Scholarship and leadership are the qualifications necessary.

English

Professor CLINE, ASSOCIATE Professors WARTHEN and MASON, and MR. WOLF

A major in English includes Courses 1, 2a, 2b, 4a, 4b, 6, and 10 or 12.

A. ENGLISH COMPOSITION—This course includes a review of grammar, punctuation, and the mechanics of composition; practice in writing exposition, argument, description, and narration, in long and short themes, and in letters; and the parallel study of specimens, and of the principles of rhetoric as they apply to writing. Lectures, recitations, written exercises in the classroom and outside, and personal conferences.

Required course for all Freshmen. Three periods thruout the year. Credit of six semester hours.

Prerequisite: three units of entrance English.

Sec. 1, M. W. F.	7:45
Sec. 2, Tu. Th. S.	9

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Sec. 3, M. W. F. 10

Sec. 4, Tu. Th. S. 9

Sec. 5, M. W. F. 11

Sec. 6, Tu. Th. S. 10

Sec. 7, M. W. F. 11

- 1.. ENGLISH LITERATURE—The purpose of this course is to develop a reading habit by studying selected plays, essays, short stories, and poetry of the period from 1800 to the present day.

Sophomore course. Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 10

- 2a. SHAKESPEARE—Careful study of eight or ten of the plays, with the more rapid reading of others, selected and arranged so as to give the student an insight into the development of Shakespeare's mind and art.

Junior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 7:45

- 2b. THE ROMANTIC MOVEMENT—A study of the representative English prose and verse from 1790 to 1832.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

3. ENGLISH NOVEL—The year will be given to the study of the historical development of the English novel, the course being conducted as a seminar.

Open to Seniors majoring in English, and to others if library resources permit. Two periods thruout the year. Credit of six semester hours.

Tu. Th. 11

GETTYSBURG · PENNSYLVANIA

- 4a. CHAUCER—Reading of Chaucer's "Canterbury Tales" and other principal poems.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

- 4b. EIGHTEENTH CENTURY PROSE—Extensive reading in non-fiction prose by Defoe, Swift, Steele, Addison, Johnson, Burke, and other eighteenth-century prose masters.

Junior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 11

5. PUBLIC SPEAKING—A practical course in the art of speaking before a class or an audience. Designed for those who need such skill in their work.

Open to the three upper classes. Two periods first semester. Credit of two semester hours. Repeated the second semester.

Tu. Th. 10

6. AMERICAN POETS—The interpretation and analysis of the poetry of the chief American poets from William Cullen Bryant to Sidney Lanier, with reference readings in relevant critical prose and biography.

Elective course for all qualified students. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

9. MODERN DRAMA—A survey of modern drama from Ibsen to O'Neill.

Three periods, second semester. Credit of three semester hours.

M. W. F. 9

10. ENGLISH DRAMA—A survey course in the drama from the liturgical play to the rise of the New Drama.

Three periods, first semester. Credit of three semester hours.

M. W. F. 9

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11. PRINCIPLES OF LITERARY CRITICISM—A study of the essentials of taste and literary appreciation.
Three periods, second semester. Credit of three semester hours.

M. W. F. 7:45

12. VICTORIAN POETRY. A study of the important poets of the nineteenth century from 1832 to 1900.
Three periods, second semester. Credit of three semester hours.

M. W. F. 10

13. METHODS FOR COMPOSITION AND GRAMMAR—This course meets the needs of the students who are preparing to teach English. It consists of a study of the fundamentals of English grammar and composition, and the presentation of these fundamentals in the secondary school.
Junior and Senior course. Two periods, second semester. Credit of two semester hours.
Hours as arranged.

14. SENIOR SURVEY COURSE—A survey course for English majors in their senior year. This course is designed to supply, as far as possible, the material not studied in other courses; and to give a more continuous idea of the development of English literature than it is possible to give in detailed courses based on particular periods.
Open to English majors in their Senior year. Two periods thruout the year. Credit of four semester hours.

Tu. Th. 10

15. METHODS FOR LITERATURE—A study of the English requirements for high school and of the presentation of the various types of literature in class. Emphasis is also placed upon oral reading and interpretation.
Open to Seniors and also to Juniors if the class is not too large. Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

English Bible

Professor WALTERMYER and MR. TURNBACH

1. LIFE OF CHRIST—A study of the external aspects of Christ's life as it presented itself to those who witnessed it, with a view to an understanding of its eternal significance. There is a preliminary and brief survey of the rise and progress of the Hebrew people with emphasis upon the religious truths which, through them, were communicated to the world in preparation for the advent of Christ. Required of all Freshmen.

Three periods, either semester. To be preceded or followed by Orientation the same year. Credit of three semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

3. BETWEEN THE TESTAMENTS—History of the Maccabean and Roman period to the fall of Jerusalem, affording a background for a study of the New Testament.

Open to Sophomores, Juniors, and Seniors. Two periods, first semester. Credit of two semester hours.

Alternates with course 12. Not given 1936-'37.

4. CHRISTIANITY AS HISTORY—An extension of the study of Christianity beyond its Biblical limits, as a continuous religious development from its New Testament origins to the present.

Open to Sophomores, Juniors, and Seniors. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

5. LITERARY STUDY OF THE BIBLE—The Bible as Literature. A study of its literary forms as a guide to appreciation of its inward spirit.

GETTYSBURG COLLEGE

Open to Sophomores, Juniors, and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 10

6. EVIDENCES OF CHRISTIANITY—A study of the theistic evidences and the proofs of the presence and action in the world of a supernatural redemptive power as these appear in the first Christian documents, and in Christian history, dealing with the questions which arise in the effort to intellectualize the content of the Christian revelation.

Junior and Senior course. Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

8. HISTORY OF RELIGIONS—A survey of the history and content of the great ethnic religions, with a view to their comparison with Christianity.

Open to Juniors and Seniors. Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

9. NEW TESTAMENT GREEK—(see Greek 6).

10. NEW TESTAMENT HISTORY AND LITERATURE—A study of the spread of Christianity from Jerusalem, through Palestine, to Antioch, through Asia Minor to Greece and then to Rome, with emphasis on the life and writings of Paul.

Open to Sophomores, Juniors, and Seniors. Three periods, first semester. Credit of three semester hours.

M. W. F. 10

12. THE HEBREW PROPHETS—A study of the prophets and their times with a view of discovering the abiding principles contained in their messages. Effort is made to relate these principles to the present social order.

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Open to Sophomores, Juniors, and Seniors.

Two periods, first semester. Credit of two semester hours

Tu. Th. 10

Fine Arts

Professor CLUTZ, and Professor SHAFFER

Survey courses treating the principal art epochs and endeavoring to show how the art of each period is the expression of its spiritual life.

3. ARCHITECTURE—The development and use of the styles, considering especially the problems that are being met.
Two periods, first semester. Credit of two semester hours.
Not given 1936-'37.
4. MUSIC APPRECIATION—A study of the principal musical forms and of the history of music. Illustrations by phonograph.
Two periods, second semester. Credit of two semester hours.
Not given 1936-'37.
5. PAINTING—The history of the art and the relationship of the art of each period to its environment.
Two periods, first semester. Credit of two semester hours.
Tu. Th. 1
6. MUSIC DRAMA—A review of the history and development of opera, and the analysis of examples both as drama and music. Illustrations by phonograph.
Two periods, second semester. Credit of two semester hours.
Tu. Th. 1
7. SCULPTURE—The problems to be met and how each period has met them and expressed itself.
Two periods, first semester. Credit of two semester hours.
Not given 1936-'37.

French

(SEE ROMANCE LANGUAGES)

GETTYSBURG COLLEGE

German

Professor GRIMM, Assistant Professor VON SCHWERDTNER, and
Mr. GUTMANN

A major in German includes Courses 2, 3, 5, 9 or 110, and 111. Courses A, 1, 5a, 5b, 6, and 8 may not be applied in fulfillment of the literature requirement (see page 30).

- A. ELEMENTARY GERMAN—The essentials of grammar, with exercises; reading of simple prose and poetry.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 9

Sec. 3, M. W. F. 2

1. INTERMEDIATE GERMAN—Reading of modern standard prose; private reading may be required. The primary aim of the course is to impart to the student as rapidly as possible a reading knowledge of the language.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance German or German A.

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

2. LYRIC AND EPIC—Reading and interpretation of German lyric and epic poetry, with special reference to Goethe; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 9

3. DRAMA—A study of the German drama, with special reference to Lessing, Schiller, Goethe, and the Nineteenth Century; collateral reading required.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: German A and 1.

M. W. F. 10

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4. LUTHER—An advanced course devoted to the study of selections from Luther's German writings.

One period thruout the year. Credit of two semester hours.

Tu. 2

6. A GENERAL INTRODUCTION TO LINGUISTIC SCIENCE AND COMPARATIVE PHILOLOGY, with special reference to the Germanic Languages. Lectures. Collateral reading is required.

One period thruout the year. Credit of two semester hours.

Tu. 3

7. GERMAN SCIENTIFIC PROSE—Selections of literary merit from authors in the field of the natural sciences.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

8. GERMAN SCIENTIFIC PROSE—Readings adapted to individual needs of students majoring in any of the exact sciences.

One period thruout the year. Credit of two semester hours.

Tu. 4

110. GOETHE'S FAUST.

Senior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

11. CONTEMPORARY LITERATURE—Directed readings.

Senior course. Hours and credit as arranged.

12. COMPOSITION—A course in the practice of writing idiomatic German. Exercises in Grammar.

One period thruout the year. Credit of two semester hours
Prerequisite: German A.

M. 11

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13. CONVERSATION—A course in the practice of speaking German.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A.

W. F. 11

14. ADVANCED GERMAN PROSE—Cursory reading of more difficult German prose writers in the fields of fiction, history, and philosophy, selected to coordinate with German 9b.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: German A and 1.

Th. S. 11

15. HISTORY OF GERMAN CIVILIZATION—Lectures, recitations, and reports in English.

Open to Sophomores, Juniors, and Seniors. One period thruout the year. Credit of two semester hours. No prerequisite.

Tu. 11

Greek

Acting Professor SHAFFER

A major in Greek consists of twenty-four semester hours above Greek A and may include Philosophy 6a. Courses A, B, 104, and 5 may not be applied in fulfillment of the literature requirement (see page 30).

- A. FIRST YEAR GREEK—An elementary course for beginners.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

- B. SECOND YEAR GREEK—Selections from Xenophon and Homer. Prose composition.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

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1. HERODOTUS—Selections.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

2. GREEK TRAGEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Not given 1936-'37.

103. GREEK LITERATURE IN ENGLISH—A series of readings from Greek authors designed to give the student a broad acquaintance with the content of Greek literature. Knowledge of Greek not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

104. GREEK HISTORY—A survey of Aegean civilization from the earliest times to the Hellenistic Age. Knowledge of Greek not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

5. GREEK MUSIC—A study of Greek musical theory and practice, with readings from the sources. Restricted to advanced students.

Three periods, first semester. Credit of three semester hours.

Not given 1936-'37.

6. NEW TESTAMENT—The Gospels or the Acts of the Apostles.

Three periods, second semester. Credit of three semester hours.

Not given 1936-'37.

7. PLATO—The "Apology" and the "Crito." A study of Socrates.

Three periods, first semester. Credit of three semester hours.

Not given 1936-'37.

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8. HOMER—The "Iliad" or the "Odyssey" will be studied with emphasis on the literary qualities of the poems and on the culture of the Homeric age.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

9. GREEK LYRIC POETRY AND PROSE COMPOSITION—Restricted to advanced students.

Three periods, first semester. Credit of three semester hours.

M. W. F. 1

110. GREEK ORATORY—Selected orations and pertinent passages from the "Rhetoric" of Aristotle.

Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

12. GREEK COMEDY—Selected plays.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 9

History

Professor FORTENBAUGH and MR. IDLE

A major in History consists of twenty-four semester hours including Courses 1, 8, 9, and at least three other courses, one of which must be a full-year course. History 1 is prerequisite to all courses in the department, except by special permission.

1. HISTORY OF CIVILIZATION—A survey course beginning with pre-history, with the aim of illustrating the growth of human ideals and institutions.

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*Three periods thruout the year. Credit of six semester hours.
Both semesters must be taken and in the regular order.*

Lectures Tu. Th. 11

Discussion sections M. 11

Tu. 8 and 9

W. 8

Th. 10

2. HISTORY OF ENGLAND FROM THE EARLIEST TIMES TO THE PRESENT.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 10

3. HISTORY OF THE UNITED STATES—A survey course beginning with the discovery of America and continuing to the present time.

*Three periods thruout the year. Credit of six semester hours.
By special permission, either semester may be taken, in any order.*

Sec. 2, Tu. Th. S. 7:45

Sec. 4, Tu. Th. S. 9

5. AMERICAN ECONOMIC HISTORY—A study of the economic life and forces thruout the history of the United States.
Three periods, second semester. Credit of three semester hours.

M. W. F. 11

7. HISTORY OF MEDIEVAL EUROPE FROM THE PERIOD OF THE BARBARIAN INVASIONS THRU THE AGE OF THE RENAISSANCE.

*Three periods, first semester. Credit of three semester hours.
Alternates with course 2. Not given 1936-'37.*

8. INTRODUCTION TO THE SCIENCE AND METHOD OF HISTORY AND ITS TEACHING—This course aims to give the student an introduction to the science of History and to inform him as to the methods and aids in teaching, investigation, and appreciation of historical knowledge. Designed for

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and required of all Junior major students in the department, but open, by permission, to all qualified students, especially those who are planning to teach history.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 11

9. HISTORY OF PENNSYLVANIA—A survey of Pennsylvania History from colonial days to the present. Open only to Junior major students in the department and to other qualified students. The chief requirement in the course is an undergraduate thesis on some phase of Pennsylvania History which may also be offered to the Department of Education in partial fulfillment of its requirement for graduation.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

10. POLITICAL AND INTERNATIONAL HISTORY OF EUROPE SINCE 1815.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

11. PERIOD STUDY IN AMERICAN HISTORY—A period in American History to be studied intensively is selected each year. Enrollment in the course is open to qualified students only by permission.

One two-hour period thruout the year. Credit of four semester hours.

W. 1

12. AMERICAN SOCIAL HISTORY—A study of a short period, to be selected, is made with the purpose of illustrating the nature of every-day life.

Three periods, first semester. Credit of three semester hours.

Prerequisite: History 3.

M. W. F. 11

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14. POLITICAL AND SOCIAL HISTORY OF EUROPE, 1500-1815.

Three periods, second semester. Credit of three semester hours.

Alternates with course 2. Not given 1936-'37.

Courses in Greek History and Ancient History of the Near East, Roman History, History of French Civilization, History of Education, and Church History are offered in the Departments of Greek, Latin, Romance Languages, Education, and English Bible, respectively. All interested will consult the announcements of those departments.

Latin

Professor GLENN

A major in Latin includes Courses 101, 102, 103, 104, 113, two courses from 105, 106, 107, 108, and two courses from 109, 110, 111. Courses B-C, 109, 111, 113, and 115 may not be applied in fulfillment of the literature requirement (see page 30).

B-C. VERGIL AND OVID—Selections from the "Aeneid" and the "Metamorphoses." For students offering only two or three years of Secondary School Latin for admission to college. This course counts as six semester hours toward graduation.

Students lacking four years of Secondary School Latin and planning to take courses in College Latin other than 109, 110, 111, and 115 are required to take this course as a prerequisite.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

101. HORACE—Selections from the "Odes," "Epodes," "Satires."

Freshman course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

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102. ROMAN POETRY—Selections from the Roman poets ranging from the beginnings to the Christian hymns.
Freshman course. Three periods, second semester. Credit of three semester hours.

M. W. F. 9

103. LATIN PROSE LITERATURE—Selections from the most prominent prose writers from the second century B. C. to the second century A. D.

Three periods, first semester. Credit of three semester hours.

M. W. F. 10

104. ROMAN COMEDY—Selected plays of Plautus and Terence. Informal lectures on the Roman theatre, the origin and development of Roman drama.

Three periods, second semester. Credit of three semester hours.

M. W. F. 10

105. ROMAN LETTERS—Cicero and Pliny. Collateral reading and informal lectures on the life and literature of the times of Cicero and Pliny.

Two periods, first semester. Credit of two semester hours.

Alternates with course 107. Not given 1936-'37.

106. ROMAN PHILOSOPHY—Lucretius, Cicero, and Seneca.

Two periods, second semester. Credit of two semester hours.

Alternates with course 108. Not given 1936-'37.

107. MEDIEVAL LATIN—Selections representing history, anecdote, the epistle, the drama, the essay, the dialogue, the novel, and epic, lyric, pastoral, didactic, and satiric verse, and introducing the literature written in the universal language of the ecclesiastical and learned European world, ranging from the fifth century to the seventeenth century A. D.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

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108. ROMAN ELEGY—Selections from Catullus, Tibullus, Propertius, and Ovid. Seminar methods, with practice in original research.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

109. ROMAN LAW—A careful study of the historical development and content of Roman Law by means of textbook, collateral reading, and lectures. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

Alternates with course 111. Not given 1936-'37.

110. LATIN LITERATURE IN TRANSLATION—A historical and critical survey of Roman Literature with a more intensive study of selected works. Attention is given to the relation of Roman Literature to other literatures. A knowledge of Latin is not required.

Three periods, second semester. Credit of three semester hours.

M. W. F. 11

111. ROMAN HISTORY AND CIVILIZATION—The history of the Republic and the Empire, supplemented by a brief study of various topics, such as Roman art, science, religion, political institutions, private life, etc., and their influence on modern life. A knowledge of Latin is not required.

Three periods, first semester. Credit of three semester hours.

M. W. F. 11

113. LATIN PROSE COMPOSITION.

One period thruout the year. Credit of two semester hours.

S. 9

115. WORD-BUILDING—A course designed to aid pre-medical students and those of other sciences who desire to become

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familiar with scientific terminology and roots. A study is made of repeatedly used prefixes, endings, and key words from which scientific terms are compounded. The knowledge of Latin, while very useful, is not required of those who take the course.

One period thruout the year. Credit of two semester hours.

Tu. 11

Mathematics

Professor ARMS, Assistant Professor CESSNA, and

MR. ZIEGLER

A major in Mathematics consists of at least twenty-four semester hours, twelve of which must be chosen from the following: Mathematics 6, 7, 8, 9, 10, 14. Mathematics 6 (Calculus) is required of all students majoring in Mathematics.

Courses marked (*) may not be offered in satisfaction of the "Pure Mathematics" requirements for either concentration or distribution.

1. PLANE TRIGONOMETRY AND ALGEBRA—Definitions and properties of the trigonometric functions; logarithms; solution of triangles.

Three periods, second semester. Credit of three semester hours.

Prerequisite: one unit of Algebra and one unit of Geometry.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

2. COLLEGE ALGEBRA—Elementary theory of equations, complex numbers, binomial theorem, etc.

Three periods, first semester. Credit of three semester hours.

Prerequisite: one unit of Algebra.

Sec. 1, M. W. F. 9

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 10

3. (With 5.) ANALYTIC GEOMETRY—The course together with Mathematics 5 includes plane and solid analytic geometry with an introduction to the methods, aims and uses of modern mathematics. They comprise a year course. *Three periods thruout the year. Credit of six semester hours. Prerequisite: one unit of Algebra, one unit of Geometry and one-half unit of Trigonometry, or Mathematics 1 and 2.*

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 10

- 4a. PLANE TRIGONOMETRY AND ADVANCED ALGEBRA—The course is designed primarily for Engineering students and includes topics in Algebra such as mathematical induction, series, probability, and the like, together with a rapid survey of the essentials of Plane Trigonometry.

Four periods, first semester. Credit of four semester hours. Required of Freshmen in Engineering.

Prerequisite: one unit of Algebra and one unit of Geometry.

M. W. F. S. 11

- 4b. INTRODUCTION TO THE CALCULUS—The elements of Analytic Geometry and Calculus for Engineering students.

Four periods, second semester. Credit of four semester hours. Required of Freshmen in Engineering.

Prerequisite: Mathematics 4a.

M. W. F. S. 11

5. (With 3.) ANALYTIC GEOMETRY—This and Mathematics 3 comprise a year course. For description and prerequisite see Mathematics 3 above.

6. DIFFERENTIAL AND INTEGRAL CALCULUS—The fundamental formulae of differentiation with applications; series and the expansion of functions; the definite and the indefinite integral, applications, including areas and volumes.

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Three periods thruout the year. Credit of six semester hours.
Prerequisite: Math. 5.

Sec. 1, M. W. F. 11

Sec. 2, Th. F. 1

- 6a. DIFFERENTIAL AND INTEGRAL CALCULUS—Topics in calculus and its applications for Engineering students.
Four periods thruout the year. Credit of eight semester hours.
Prerequisite: Math. 4a and 4b.

M. W. F. 10 Tu. 11

7. DIFFERENTIAL EQUATIONS—The theory and devices which will enable the student to integrate ordinary and partial differential equations.
Three periods thruout the year. Credit of six semester hours.
Prerequisite: Math. 6.
Not given 1936-'37.

8. MODERN GEOMETRY—A course in advanced analytic or synthetic geometry, offered to advanced students.
Two periods thruout the year. Credit of four semester hours.

Tu. Th. 11

9. MODERN ANALYSIS—A course in analysis, offered to advanced students.
Two periods thruout the year. Credit of four semester hours.
Prerequisite: Math. 6.

M. W. 10

- 10.* TEACHERS' COURSE—The methods of teaching the secondary school subjects, the history of elementary mathematics, and practice teaching so far as is practicable.
Two periods, or the equivalent, thruout the year. Credit of four semester hours. Hours as arranged.

- 11.* MATHEMATICS OF INVESTMENT—The application of the theory of compound interest to amortization, annuities and life insurance.

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Three periods, first semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

- 13.* **STATISTICS**—A first course in economic statistics; the mean, mode, median; correlation, index numbers, and business barometers.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Math. 2.

M. W. 1 M. 2

14. **MATHEMATICAL SEMINAR**—A course for advanced students in mathematics or science consisting in a discussion of those methods of pure mathematics needed for the study of modern science.

Credit and hours as arranged.

Prerequisite: Math. 5 and Physics 1.

- 15.* **COSTS AND DEPRECIATION**—Methods of charging depreciation and costs, the preparation of schedules, and an introduction to cost-accounting.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Math. 2 and Economics A.

Tu. 1 Tu. W. 2

Orientation

Professor SANDERS and Mr. HEIGES

The object of this course is to furnish Freshmen a preface to the college course and an introduction to a philosophy of life. The course begins with suggestions on how to study, gives an outline of the principles of self-development, a preface to the idea of scientific-mindedness, studies our social heritages in literature and political and religious institutions, and concludes with an analysis of public opinion and the processes of its formation. Required of all Freshmen.

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Three periods, either semester. To be preceded or followed by English Bible 1 the same year. Credit of three semester hours.

Lecture S. 8

Sections for Discussion:

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 11

Sec. 4, Tu. Th. S. 9

Sec. 6, Tu. Th. S. 10

Philosophy

Professor SANDERS and Associate Professor BASSET

A major in Philosophy includes Courses 1, 3, 5, 6, 7 and 8, and may include Greek 7. Philosophy 5 is required for credit in all courses of Philosophy except courses 1 and 2. Course 5 may be taken either before, concurrently, or after the other courses. The only requirement is that for credit in Philosophy the student shall be acquainted with the principles governing sound moral conduct.

1. **PSYCHOLOGY**—A course in general psychology which aims to acquaint the student with the phenomena of mind, the methods of psychological investigation, and the practical bearing of the various mental functions on the problems of ethics, pedagogy, etc.

Sophomore course. Three periods, first semester. Credit of three semester hours.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

Sec. 3, M. W. F. 10

Sec. 4, Tu. Th. S. 10

2. **SOCIAL PSYCHOLOGY**—A study of the basal tendencies in human nature, forming a transition between psychology, and ethics and sociology. An investigation into the ways in which the human element works towards higher destiny.

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Sophomore course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Sections and hours same as for Philosophy 1.

3. LOGIC—An introductory course in the laws of thought. The evolution of the concept, its development into judgment and inference, the systematic function of classification, the explanatory function of generalization, and the methodology of proof and investigation are studied with a view to securing a foundation for the theory of knowledge and effective scientific method.

Junior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 11

104. INTRODUCTION TO PHILOSOPHY—The course in general psychology suggests the problems of philosophy. The course in Introduction aims to acquaint the student with the content of philosophy, the origin and development of the various problems, the aim and method of philosophy, the results which have been attained, and its relation to the other departments of human thought.

Three periods, second semester. Credit of three semester hours.

Tu. Th. S. 11

5. ETHICS—A study of human conduct. The concept of personality and the idea of self-realization, as forming the background of moral judgment, are wrought into a system which explains the origin of the moral motives as well as their implication of God and immortality.

Junior course. Three periods, first semester. Course repeated second semester. Credit of three semester hours.

1st Sem.	M. W. F. 10
2nd Sem.	Tu. Th. S. 10

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- 6a. HISTORY OF PHILOSOPHY. ANCIENT AND MEDIEVAL PERIOD—This course traces the rise and progress of reflective thought as it appears among the Greeks and culminates in Scholasticism. Special stress is placed upon the Greek thinkers, with a view to acquiring an understanding of the spirit of philosophy.

Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 11

- 6b. HISTORY OF PHILOSOPHY. MODERN PERIOD—This course covers the period from the Renaissance to the present time. Special stress is placed upon the great systems. The student is required to read selections from the great thinkers and report on them, the constant aim being to cultivate the philosophizing attitude, thus furnishing a basis for independent thought as well as an inspiration to do original thinking.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 6a.

M. W. F. 11

7. PHILOSOPHY OF RELIGION—A study of religion as a distinct factor in human development. The aim of the course is to show the nature of religion and to interpret the various forms in which it manifests itself.

Senior course. Three periods, first semester. Credit of three semester hours.

M. W. F. 9

8. METAPHYSICS—Beginning with the method of system building, the student is introduced to the meaning of a world-view, the factors which a comprehensive and consistent view must recognize, and the reasons for regarding Theism as the theory which best meets existing requirements.

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Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 5, 6, and 7.

M. W. F. 9

9. EPISTEMOLOGY—A study of epistemology investigating the principles of science with a view to understanding their origin, their validity, and their philosophical implications.

Senior course. Three periods, first semester. Credit of three semester hours.

Alternates with course 15. Not given 1936-'37.

10. EXPERIMENTAL PSYCHOLOGY—This is an elementary laboratory course in psychology, covering the most essential features in the experimental method.

Open to Seniors and Juniors. Two laboratory periods, second semester. Credit of two semester hours.

Prerequisite: Philosophy 1.

Hours to be arranged.

11. GENETIC PSYCHOLOGY—A psychological approach to the traits and problems of children and adolescents, with special reference to mental growth and its significance for the educator.

Junior and Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Philosophy 1.

Tu. Th. S. 11

12. PSYCHOLOGY OF BUSINESS AND INDUSTRIAL MANAGEMENT—A course dealing with the applications of psychology in the fields of business, industry, engineering, etc.

Junior and Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Philosophy 1, and Economics 1.

Alternates with course 14. Not given 1936-'37.

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113. SOCIOLOGY—A study of the nature of society and its problems. Starting with the psychological factors of sociation, the development of social institutions, the economic and cultural factors of social progress, and the elimination of hindrances, evils are taken up in turn with a view to an understanding of the methods of social improvement.
Junior and Senior course. Three periods, second semester. Credit of three semester hours.

M. W. F. 10

14. PSYCHOLOGY OF THE ABNORMAL MIND—A psychological approach to the problems of mental deficiency and insanity, with special reference to the detection of abnormal tendencies in children and to mental hygiene.
Junior and Senior course. Three periods, second semester. Credit of three semester hours.
Prerequisite: Philosophy 1 and 2.

Tu. Th. S. 11

15. ORIENTAL PHILOSOPHY—This course aims at giving the student an introduction to the fundamental principles underlying the great systems of oriental thought, and the correspondences and contrasts with the thought of the western world.
Senior course. Three periods, first semester. Credit of three semester hours.

Tu. Th. S. 9

Teachers in the service may enroll for courses outside the regular college schedule provided there is a sufficient number to justify a class.

Physical Education

Professor BILHEIMER and Mr. BREAM

- 1, 2. ELEMENTARY PHYSICAL EDUCATION—Members of the Freshman class electing Physical Education are required

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to take Physical Education 1 and 2. This course consists of one lecture period thruout the first semester on personal hygiene, and two periods (three in the second semester) presenting a natural technique of gymnastic practice involving natural activities.

Three periods thruout the year. No credit.

Sec. 2, Tu. Th. 11

Lecture, M. 4

Sec. 4, Tu. Th. 2

Lecture, M. 4

- 3, 4. ADVANCED PHYSICAL EDUCATION—Members of the Sophomore class electing Physical Education are required to take Physical Education 3 and 4, an advanced course in natural activities.

Three periods thruout the year. No credit.

Sec. 1, M. W. F. 10

Sec. 3, M. W. F. 11

- 5, 6. THEORY AND PRACTICE OF MAJOR SPORTS—Normal course intended for those expecting to take charge of Physical Education in secondary schools.

First Semester.

- A. FOOTBALL—Playing rules from the standpoint of player, coach, and official; history and development of the game; strategy and method of coaching; relation of physical condition to individual and team development.
- B. BASKETBALL—Coaching and officiating; modern attack and defense.

Second Semester.

- C. BASEBALL—Rules; theory and scoring; discussion of base-running; position play and modern team-play.
- D. TRACK—Discussion of important points in coaching track and field events: selection of men; development

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of candidates; eradication of weak points and the development of a well-balanced team.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

7, 8. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION.

Two periods, first semester. Credit of two semester hours.

Tu. Th. 9

ATHLETIC DIRECTORSHIP IN SECONDARY SCHOOLS.

Two periods, second semester. Credit of two semester hours.

Tu. Th. 9

Physics

Professor MILLER, Associate Professor REEN, and
MR. ZIEGLER

A major in Physics includes Courses 1, 3, and 7.

1. ELEMENTARY PHYSICS—Mechanics, Heat, Sound, Magnetism, Electricity, and Light.

Three periods and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: college entrance Algebra.

M. W. F. 10 Lab. W. Th. or F. 1

2. ELEMENTARY PHYSICS FOR ENGINEERS—This course covers the elements of Physics with special attention to those parts of the subject which are not developed in detail in engineering courses. Mathematical methods are used thruout.

Three periods and one three-hour laboratory period thruout the year. Credit of six semester hours.

Prerequisite: Mathematics 6.

Tu. Th. S. 9 Lab. Th. 1

3. INTRODUCTION TO ADVANCED PHYSICS—Mechanics, Thermodynamics, Magnetism, Electricity, and Light. This course covers the same general ground as Course 1, but with the introduction of higher mathematical processes and with greater completeness of theoretical detail.

Three periods and three hours of laboratory work thruout the year. Credit of six semester hours.

Prerequisite: Physics 1, Mathematics 4b or 5.

Tu. Th. S. 10 Lab. M. 1

7. MODERN PHYSICS—Facts and theories pertaining to electrons, atoms, molecules, structure of the nucleus, and transmutation.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Physics 3, Mathematics 4b or 5.

M. W. F. 7:45

8. ADVANCED THEORETICAL MECHANICS.

Three periods, first semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6.

Alternates with course 13. Hours as arranged.

9. ADVANCED ELECTRICITY AND MAGNETISM.

Three periods, second semester. Credit of three semester hours.

Prerequisite: Physics 3, Mathematics 6.

Alternates with course 14. Hours as arranged.

10. ADVANCED LABORATORY PHYSICS.

Credit depends upon the quality and quantity of the work done.

Prerequisite: Physics 3. Hours as arranged.

12. DESCRIPTIVE ASTRONOMY—A course in general and descriptive astronomy. Recitations and lectures. Elective for all students.

Two periods, second semester. Credit of two semester hours.

M. W. 11

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13. THERMODYNAMICS—A discussion of the two laws and their foundation. Applications to gas equilibria, change of state, chemical reactions, etc.
Three periods, first semester. Credit of three semester hours.
Prerequisite: Physics 3, Mathematics 6.
Alternates with course 8. Not given 1936-'37.
14. X-RAYS—The fundamental facts and theories connected with the production and properties of X-Rays, together with a study of the development of the subject. X-Rays in their relation to theories of radiation and of the structure of matter.
Three periods, second semester. Credit of three semester hours.
Prerequisite: Physics 3, Mathematics 6.
Alternates with course 9. Not given 1936-'37.

Political Science

Professor SABY

A major in Political Science consists of twenty-four semester hours, nine of which may, with the approval of the adviser, be taken in related fields outside the department.

1. AMERICAN GOVERNMENT—A general survey of the principles and practice of American government for an intelligent comprehension of the duties and privileges of active citizenship.
Prerequisite for other courses in Political Science.
Sophomore course. Open to Juniors and Seniors. Two lectures and one quiz period weekly, first semester. Credit of three semester hours.

Lectures M. W. 7:45

Quiz sections F. 7:45, 9, 10, and 11

3. EUROPEAN GOVERNMENTS—A study of the government and politics of the more important European states.

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*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Alternates with course 5. Not given 1936-'37.

4. CONSTITUTIONAL LAW—A study of the basic principles of American Constitutional Government.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Alternates with course 8. Not given 1936-'37.

5. INTERNATIONAL LAW—The development of the rules of international law; the rights and obligations of nations in times of war and peace and the settlement of international disputes.

*Junior and Senior course. Three periods, second semester.
Credit of three semester hours.*

Tu. Th. S. 9

6. BUSINESS AND THE GOVERNMENT—A study of the political, legal, and economic aspects of the relation of government to business.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Tu. Th. S. 10

7. MUNICIPAL GOVERNMENT—A study of city government and its problems.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Alternates with course 6. Not given 1936-'37.

8. POLITICAL PARTIES—A non-partisan consideration of the nature and activities of political parties and of current questions and discussions of party interest.

*Junior and Senior course. Three periods, first semester.
Credit of three semester hours.*

Tu. Th. S. 9

GETTYSBURG COLLEGE

10. SENIOR READING COURSE—Supervised reading in the field of Political Science.

Open to seniors on arrangement with the head of the department either or both semesters. Credit of two semester hours each semester.

Conference hours as arranged.

Romance Languages

Professor BACHMAN, Assistant Professors HAMME and
HARTSHORNE

A major in French or Spanish includes twenty-four semester hours above the A course. Courses A, 1, 4, 5, 6, 107, 8, 9 and 110 in French, and courses A, 1 and 4 in Spanish, may not be applied in fulfillment of the literature requirement (see page 30). The teaching minor consists of 18 semester hours and must include course 8, and either course 5 or course 6.

French

- A. ELEMENTARY COURSE—The essentials of grammar. Translation.

Three periods thruout the year. Credit of six semester hours.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

1. INTERMEDIATE COURSE—Grammar and Composition. Reading of a number of modern French authors.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance French or French A.

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 10

Sec. 3, M. W. F. 10

- 2a. FRENCH LITERATURE OF THE 17TH CENTURY—Two plays each by Molière, Corneille, and Racine. Selections from French prose writers of the 17th century.

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Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 11

2. FRENCH LITERATURE OF THE 18TH CENTURY—Selections from Buffon, Montesquieu, Voltaire, Rousseau, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

Alternates with course 2a. Not given 1936-'37.

3. FRENCH LITERATURE OF THE 19TH CENTURY—Selections from Chateaubriand, Hugo, Lamartine, de Musset, de Vigny, Balzac, Sainte-Beuve, Flaubert, Daudet, Zola, Maupassant, Bourget, Anatole France, and others.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 9

4. OLD FRENCH LANGUAGE AND LITERATURE—This course is especially designed for those who expect to teach French. Selections from Bartsch's *Chrestomathie de l'ancien français* will be read.

Two periods second semester. Credit of two semester hours.

Prerequisite: French 107.

Tu. Th. 9

5. ADVANCED GRAMMAR—Systematic study of French grammar with special reference to the presentation of grammatical principles in the teaching of French. To be given mainly in French.

Two periods thruout the year. Credit of four semester hours.

Prerequisite: French 2 or its equivalent.

Alternates with courses 4 and 107. Not given 1936-'37.

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6. ADVANCED COMPOSITION AND CONVERSATION.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: French 1.

M. W. F. 10

107. INTRODUCTION TO ROMANCE PHILOLOGY—This course deals with the phonetics and morphology of French, Spanish, and possibly Italian. Emphasis will be laid on the phenomena having special significance for teachers.

For majors and minors in French and Spanish.

Two periods first semester. Credit of two semester hours.

Tu. Th. 9

8. PRACTICAL PHONETICS—French pronunciation and diction. Study of the alphabet of the International Phonetic Association.

One period thruout the year. Credit of two semester hours.

Not given 1936-'37.

9. HISTORY OF FRENCH CIVILIZATION.

One period thruout the year. Credit of two semester hours.

Not given 1936-'37.

110. EXPLICATION DE TEXTES.

One period thruout the year. Credit of two semester hours.

Not given 1936-'37.

Spanish

- A. ELEMENTARY COURSE—Grammar and Translation.

Three periods thruout the year. Credit of six semester hours

Sec. 1, M. W. F. 7:45

Sec. 2, Tu. Th. S. 7:45

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1. INTERMEDIATE COURSE—Reading of modern Spanish authors. Prose Composition.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: two units of entrance Spanish or Spanish A.

Sec. 1, M. W. F. 9

Sec. 2, Tu. Th. S. 9

2. SPANISH LITERATURE OF THE 16-17TH CENTURIES—Selections from Cervantes and plays of Lope de Vega, Calderón, Tirso de Molina, Alarcón, and a few minor dramatists.

Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

103. MODERN SPANISH NOVEL—Reading and study of novels beginning with the Generation of 1898.

Three periods thruout the year. Credit of six semester hours.

Alternates with course 5. Not given 1936-'37.

4. SPANISH CONVERSATION AND COMPOSITION—This course is designed for students who wish to increase their ability to understand and speak Spanish.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Not given 1936-'37.

5. CONTEMPORARY SPANISH DRAMA—Reading of plays of the outstanding dramatists of the 20th century with a study of their main characteristics.

Three periods thruout the year. Credit of six semester hours.

Tu. Th. S. 10

6. NINETEENTH CENTURY SPANISH LITERATURE—Selections from Espronceda, Saavedra, Zorrilla, and others of this period. Emphasis on the drama of Romanticism.

Three periods thruout the year. Credit of six semester hours.

Prerequisite: Spanish 1.

Alternates with course 2. Not given 1936-'37.

GETTYSBURG COLLEGE

Spanish

(SEE ROMANCE LANGUAGES)

Engineering

CIVIL ENGINEERING, ELECTRICAL ENGINEERING,
MECHANICAL ENGINEERING

*Professor CLUTZ, Associate Professor REEN, Assistant Professor
SALTZER, and Mr. LANING*

ADVANCED Algebra and Plane Geometry are prerequisite for the Engineering courses. Trigonometry is advised. Students beginning a modern language in college will note that the one year prescribed in the list of required studies is above the "A" course and in this case two years of language are required to absolve the language requirement.

It is impossible to give a complete preparation for any branch of Engineering in a four year course. There are, however, certain fundamental subjects which are essential no matter what line of Engineering is taken up. It is our effort to give a good training in these fundamental subjects; hence during the Freshman, Sophomore and a large part of the Junior year all students take the same courses. Those who are looking toward Electrical or Mechanical Engineering will have the remainder of the work in the Junior year and a part of the work in the Senior year identical. The remainder of the work in the Senior year is more highly specialized.

Students who desire to emphasize the production or business end of Engineering may make certain adjustments, replacing a part of the more technical work by courses in Business Administration and Economics.

A complete schedule of prescribed studies is found on pages 34-36.

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1. ELEMENTARY MECHANICAL DRAWING—Use of drawing instruments, orthographic projections, simple sections, intersections, and developments and lettering.

Two three-hour periods thruout the year. Credit of four semester hours.

Tu. Th. 1

NOTE—The College provides drawing desks, etc., but each student furnishes his own drawing outfit, costing about thirty dollars. Students are urged to avoid the purchase of cheap instruments, which soon become worthless. Engineering students use their drawing instruments thruout their course and for years afterward. The purchase of an outfit of good grade is therefore economy.

- 2a. GRAPHICS—The computation of stresses in frames, especially roof trusses and bridges. Graphical methods are emphasized.

Sophomore course for Civil Engineers. Two three-hour drawing periods thruout the year. Credit of four semester hours.

M. W. 1

- 2b. GRAPHICS—Design of machine parts by the empirical method. Advantage and limitation of empirical treatment stressed. Preparation of working and assembly drawings.

Sophomore course for Mechanical and Electrical Engineers. Two drawing periods, first semester. Credit of two semester hours.

M. W. 1

3. MECHANICS—STATICS AND DYNAMICS—Forces in equilibrium, simple structures, translation and rotation, work, energy, power. The periods are two hours to give time for a full discussion of problems.

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*Sophomore course. Three two-hour periods, second semester.
Credit of three semester hours.
Prerequisite: Math. 4a and 4b.*

Tu. Th. S. 10

5. **HYDRAULICS**—A study of the mechanics of water at rest and in motion, with applications to a variety of problems relating to the pressure of water and to its flow in natural and artificial channels, pipes, etc.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 6.

Tu. Th. S. 10

6. **STRENGTH OF MATERIALS**—Recitation and laboratory work in the study of the properties of engineering materials. Standard tests of cement, sand, mortar, and concrete are made and compared. The common tensile, compressive, and transverse tests on steel, cast iron, wrought iron, and timber are made and discussed. The solution of practical problems in the use of the materials and simple design work is emphasized.

Junior course. Three periods and one three-hour laboratory period, first semester. Credit of four semester hours. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 3 and Math. 6.

M. W. F. 10 Lab. F. 1

7. **ELEMENTARY ELECTRICAL ENGINEERING**—A study of the elementary principles of electricity and magnetism and their application to circuits, electrical machinery, transmission, vacuum tubes, storage batteries, and lighting. Suitable for a general course in electrical theory. Recitation and simple laboratory experiments.

Junior course. Two periods, first semester. Credit of two

semester hours. Three periods and one three-hour laboratory period, second semester. Credit of four semester hours.

Prerequisite: Mathematics 6.

Tu. Th. 10 Lab. F. 1

Civil Engineering

- A. ELEMENTARY PLANE SURVEYING—An introduction to the use of surveying instruments and computations. Instruction in the use of the slide rule.

Sophomore course. Three periods and one three-hour laboratory period, first semester. Credit of three semester hours.

Tu. 3. Th. S. 11 Lab. F. 1

11. PLANE SURVEYING—This course gives drill in the use of the more common surveying instruments, in the best methods of keeping notes, and in the computations and mapping required in connection with the usual work of a surveyor.

Junior course. Two periods thruout the year. Credit of four semester hours.

M. F. 9

12. SURVEYING—Practice work done in connection with Course 11. Field work giving a drill in the use of the more common surveying instruments, and work in the classroom plotting surveys, and the making necessary computations.
Junior course. One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

13. SURVEYING—Field work. Topographic surveying using a variety of instruments, including the plane table. Railroad surveying. Adjustment of instruments.
Senior course. One three-hour period thruout the year. Credit of two semester hours.

Tu. 1

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17. RAILROADS—A course in the economics of railroad construction and operation, maintenance, and valuation.

Senior course. Two periods, first semester. Credit of two semester hours.

M. W. 11

18. STRUCTURAL DESIGN—A course in the strength of materials as applied to the analytical design of structures of wood, steel, and concrete. Beginning with beams the student finally makes all the calculations necessary in the complete design of a plate girder and trusses of the riveted and pin-connected types.

Junior course. One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: Engineering 3.

F. 9 Lab. M. W. 1

- 18a. STRUCTURAL DESIGN—One semester of design in concrete and one in steel. Principally work in design of buildings.

Senior course.

F. 10 Lab. M. W. 1

19. STRUCTURAL DESIGN—The first semester is devoted to reinforced concrete, properties, methods of computation and design. The second semester is devoted to the study of deflections and indeterminate structures.

Senior course. One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

W. 9 Lab. M. W. 1

20. STRUCTURAL DRAFTING—The making of detailed drawings for the component parts of a steel structure. Conformity with the best practice is required, and the drawings are carefully checked.

Two three-hour periods, second semester. Credit of two semester hours.

Not given 1936-'37.

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21. CONTRACTS AND SPECIFICATIONS—The elements of contract law as applied to the mutual relations of engineer, contractor, and owner. Critical review of typical specifications and practice in specification writing.

Senior course. One period, first semester. Credit of one semester hour.

M. 7:45

23. HIGHWAYS—Recitations on the design, construction, and maintenance of roads and pavements, with especial consideration of the exigencies of present-day traffic.

Senior course. Two periods, second semester. Credit of two semester hours.

Tu. Th. 11

25. SANITARY ENGINEERING—Water supply and sewage disposal.

Senior course. Two periods and one three-hour laboratory period, second semester. May be substituted for second semester of course 19 at option of the class.

26. ENGINEERING SEMINAR—Oral and written reviews and discussions of current technical articles.

Senior course. One period thruout the year. Credit of two semester hours.

M. 7 P.M.

27. ENGINEERING ECONOMICS—A study of the elements other than purely technical entering into the solution of Engineering problems—economic, financial, etc. A survey of methods of production as affected by Engineering considerations.

Senior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 9

Mechanical Engineering

31. SHOP WORK—Simple exercises in the formation of green sand moulds, supplemented by lectures on modern foundry practice. Bench and lathe work in wood, elements of pattern making.

Junior course. One three-hour period, first semester. Credit of one semester hour. Hours as arranged.

32. SHOP WORK—Forge practice in iron and steel. Shaping, hardening, and tempering of tools. Machine and bench work in metals. Lectures on modern shop practice.

Junior course. One three-hour period, second semester. Credit of one semester hour. Hours as arranged.

33. KINEMATICS—Theory of mechanisms, instant centers, cams, gears, linkages, velocity and acceleration diagrams, etc. Recitation work supplemented by the solution of practical problems in the drawing room.

Sophomore course. Two three-hour drawing periods, second semester. Credit of three semester hours.

Lab. M. W. 1

34. MACHINE DESIGN—An elementary course showing the application of the fundamentals of mechanics and kinematics to machine design. Analysis of energy and force problems in machines, and proportioning of detailed parts from theoretical and practical considerations.

Junior course. Two periods, first semester. Credit of two semester hours.

M. F. 9

35. MACHINE DESIGN—Application of principles of Course 34 to the design of typical machines, including all necessary computations; working drawings of most important parts, and a finished assembly drawing.

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One period and two three-hour drawing periods thruout the year. Credit of six semester hours.

Prerequisite: M.E. 34.

F. 1 Lab. M. W. 1

36. HEAT POWER ENGINEERING—Thermodynamics of gases and vapors, theoretical gas cycles, application of theory to problems of commercial heat engines, engine performances and efficiencies.

Junior course. Three periods thruout the year. Credit of six semester hours.

M. W. F. 11

37. HEAT POWER ENGINEERING—A continuation of Course 36. Fuels, combustion, boilers, gas engines, steam engines and turbines, power house auxiliaries, etc. Efficiency and economy of operation. Selection and combination of elements for power houses.

Senior course. Three periods, first semester. Credit of three semester hours.

Prerequisite: M.E. 36.

Tu. Th. S. 11

38. POWER PLANT ENGINEERING—A continuation of Course 37.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: M.E. 37.

Tu. Th. S. 11

39. MECHANICAL ENGINEERING LABORATORY—Calibration of common engineering measuring instruments, such as steam gauges, thermometers, indicator springs; determinations of quality of steam; measurements of power; efficiency tests of boilers, gas engines, pumps, flue gas analysis, etc.

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*Senior course. One three-hour period thruout the year
Credit of two semester hours.*

Th. 1

40. AUTOMOBILES—A general survey course covering the operating principles of the mechanisms which constitute the modern automobile. Open to non-engineering students.

Senior course. Three periods, first semester. Credit of three semester hours. Hours as arranged.

41. INTERNAL COMBUSTION ENGINES—A technical course for Seniors emphasizing carburetion theory and design. Particular attention to the study of combustion control. Development of high-speed Diesels included.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 36. Hours as arranged.

Electrical Engineering

45. ADVANCED ELECTRICAL ENGINEERING—Electric and magnetic circuits; vector representation of alternating currents and voltages; theory of transmission lines; direct current machines; alternating current machines; transformers.

Senior course. Two periods and a two-hour problem period thruout the year. Credit of six semester hours.

Prerequisite: Engineering 7 and Math. 6a.

M. W. F. 9

46. CHARACTERISTICS AND DESIGN OF ELECTRICAL MACHINERY—Outline design and predetermination of performance characteristics of transmission lines, transformers, direct and alternating current machinery. Practice in use of standard handbooks.

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Senior course. Three periods, second semester. Credit of three semester hours. May be taken only with E.E. 45. Hours as arranged.

47. ELECTRICAL ENGINEERING LABORATORY—Elementary and advanced experimental work in electrical engineering: the study of polyphase alternating current circuits, shape of A. C. waves; commercial testing of alternators, transformers, synchronous motors, induction motors, D. C. machines, etc.

Senior course. One three-hour period thruout the year. Credit of two semester hours. Laboratory course with E.E. 45.

M. 1

48. COMMUNICATION ENGINEERING—Networks, infinite lines, filters, coupled circuits, bridge circuits, vacuum tube circuits, and other topics applicable to the general study of electrical communication.

Senior course. Three periods, second semester. Credits of three semester hours. Not given same year as E.E. 50 unless sufficiently in demand.

Prerequisite: Engineering 7 and Math. 6a (or 6). Hours as arranged.

50. RADIO ENGINEERING—Fundamental ideas and laws, resistance, inductance, capacity, general view of radio communication, laws of oscillating circuits, spark telegraphy, vacuum tubes and their operation, continuous wave telegraphy, radio telephony, antennae and radiation, amplifiers, etc.

Senior course. Three periods, second semester. Credit of three semester hours.

Prerequisite: Engineering 7, and Math. 6a. Hours as arranged.

Not given the same year as E.E. 48.

Engineering Equipment

For a detailed description of the equipment in engineering see page 131.

MILITARY SCIENCE AND TACTICS

(RESERVE OFFICERS' TRAINING CORPS)

Lieut. Colonel EDWARD H. BERTRAM, *Inf.*, U.S.A.

Major GEORGE E. ABRAMS, *Inf.*, U.S.A.

Staff Sergeant JAMES MASHBURN, *Inf.*, U.S.A.

AS A part of the program for national preparedness, Congress by Act of June 3, 1916, authorized the establishment and maintenance, in civil institutions of learning fulfilling certain requirements, of units of the Reserve Officers' Training Corps, so that in time of national emergency there might be a sufficient number of educated men, trained in military science and tactics, to officer and lead intelligently the large armies upon which the safety of the country would depend. Under the provisions of this Act the President of the United States has established an infantry unit, senior division, of the Reserve Officers' Training Corps in the College and has detailed a regular army officer to serve here as Professor of Military Science and Tactics, another officer and a noncommissioned officer to serve as his assistants. In order to encourage students to enter the corps this Act of Congress makes very liberal provisions, furnishing the members free of charge all the needed equipment in arms, ammunition, uniforms, and, in the case of those taking the advanced course, additional uniforms, training camp expenses, and an allowance in cash for subsistence.

The work includes lectures and class room work, as well as Military Drill and target practice. A course of lectures on Military History, including two lectures on the Battle of Gettysburg, is given each year to members of the Senior Class. These lectures are open to all students.

The mental as well as the physical benefits which a student may derive from this course are obvious; and it supplies in the most approved form that element of training in discipline and obedience to authority which has been largely lacking in

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the educational system of our country. There is a great demand thruout the country for teachers of high school grades who are able to give military instruction.

The Reserve Officers' Training Corps should not be considered solely on the basis of the personal benefits derived in college and its value in semester hours toward a diploma. The nation has in its wise policy selected this means of preparing and securing its officers for a future emergency. The man who neglects this opportunity to prepare will find, in future years, no door open to a commission as an officer in the Reserve Army which is our national defense.

A course, if elected, must be completed, but other than this it involves no compulsory military obligations.

The course in Military Science and Tactics is divided into two parts, each one requiring two years of work.

Basic Course

Any student electing this course must devote an average of at least three hours per week for two successive years to the work required (First Year and Second Year).

Advanced Course

When any member of the Reserve Officers' Training Corps has completed (here or elsewhere) the first two academic years of service, and has been recommended for further military training by the President of the College and the Professor of Military Science and Tactics, he will be furnished by the U. S. Government commutation of subsistence, an allowance of thirty cents per day, extending thru and including the summer recess between the third and fourth years. A student electing to take this advanced course will be required to devote an average of at least five hours per week to the work during the remainder of his college course (Third Year and Fourth Year). He must also attend the training camp prescribed by the Secretary of War between the third and fourth years, his transportation to and from this camp, clothing and subsistence while there, and pay at the rate of seventy cents per day, being furnished by the U. S. Government.

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*Outline of Courses in Military Science
and Tactics*

BASIC COURSE

[[*First Year*]]

Mil. Sci. 1 and 2

1. An introduction to Military Science and Tactics including: Military Courtesy and Discipline; Physical Training, to develop proper carriage and posture; The National Defense Act and the Reserve Officers' Training Corps; Command and Leadership—instruction of the Soldier, Squad and Platoon; Rifle Marksmanship; Hygiene and First Aid.
2. Map Reading; Obligations of Citizenship; Organization; Military History; Individual Infantry Equipment; Combat Principles of the Squad and Section; Command and Leadership—instruction in the Rifle Company, Ceremonies and Inspections.

Three periods thruout the year. No credits allowed.

Class work	Sec. 1, M. 2	Drill	} Tu. Th. 7:45
	Sec. 2, Tu. 2	for	
	Sec. 3, W. 2	all	

[[*Second Year*]]

Mil. Sci. 3 and 4

3. Scouting and Patrolling; Military History; Musketry; Command and Leadership—same as outlined in 1 and 2 above (students performing the duties of Squad Leaders).
4. Automatic Rifle; Command and Leadership (students performing the duties of Squad Leaders); Combat Principles of the Rifle Squad.

Three periods thruout the year. No credits allowed.

Prerequisite: Courses 1 and 2.

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Class work	Sec. 1, M. 9	Drill	Tu. Th. 7:45
	Sec. 2, Tu. 2	for	
	Sec. 3, W. 9	all	

ADVANCED COURSE

[[First Year]]

Mil. Sci. 5 and 6

5. Aerial Photographs; Infantry Weapons (Machine Gun, the 37-mm Gun and 3-inch Trench Mortar); Command and Leadership (students performing the duties of Section Leaders).
6. Field Fortifications; Combat Principles (the Rifle, Machine Gun and Howitzer Company Section and Platoon); Command and Leadership (students performing the duties of Section Leaders).

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 4 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

[[Second Year]]

Mil. Sci. 7 and 8

7. Administration; Military Law and O. R. C. Regulations; Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Military History and Policy.
8. Combat Principles (The Rifle, Howitzer, and Machine Gun Company); Command and Leadership (students performing the duties of Platoon, Company, and Battalion Commanders). Signal Communications.

Five periods thruout the year. Credit of six semester hours.

Prerequisite: Courses 1 to 6 inclusive.

Class work as arranged.

Drill for all Tu. Th. 7:45

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No student electing one of these courses will be promoted to the next higher class, or graduated from the College, unless he has completed the work of the course for the previous year to the satisfaction of the Professor of Military Science and Tactics.

The appointments of cadet officers and noncommissioned officers for the Corps are made from members of the Junior and Senior classes and from members taking post-graduate courses, provided there is a sufficient number. It is the intention to give the student entering the advanced course the benefit of an opportunity of training in a responsible rather than in a subordinate position.

No military duties in addition to the training courses outlined are required from members of the Reserve Officers' Training Corps.

A student having completed these courses will, on graduation, receive his Reserve Officer's Commission as Second Lieutenant, issued by authority of the President of the United States.

To those who aspire to enter the ranks of regular army officers from civil life the Reserve Officers' Training Corps at Gettysburg College offers unexcelled advantages and opportunities.

Equipment

Located as it is in the heart of the great Battlefield of Gettysburg, Gettysburg College is admirably situated for conducting courses in Military Science and Tactics. This situation is rendered doubly important when one stops to realize that this very terrain is that used for practically all theoretical instruction given in Minor Tactics all over the country. While other units of the R. O. T. C. are issued maps of this terrain for their theoretical instruction, they are compelled to work out practical problems on available local terrain, often poorly mapped. This institution enjoys the advantage of conducting its practical work on the same terrain which is studied in the text furnished by the War Department.

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With the exception of textbooks and shoes, complete equipment is furnished by the Government at no cost to the student. In addition to the service rifles and pistols regularly used for drill and target work, there is on hand a complete set of special infantry weapons consisting of Browning automatic rifles, Browning machine guns, a 3-inch trench mortar, and a 37-mm gun. All these are used for both theoretical and practical instruction.

For the study of Minor Tactics, complete maps, in different scales, are furnished. These maps are all of the terrain in the immediate vicinity of Gettysburg. This collection is supplemented by a B-H Relief Map with which over one thousand combinations of terrain may be made, thus covering every possible formation of ground over which troops may be required to maneuver. A modern sand table for tactical instruction has been installed in the R. O. T. C. laboratory on the ground floor in Glatfelter Hall.

Complete files of all War Department publications are available in unit headquarters. The system of correspondence, filing, and property accounting is exactly the same as that used in the army. Students are thus enabled to receive a well rounded course in Administration and both see and do the practical work.

The office of the Department of Military Science and Tactics is located on the third floor, and the store rooms, armory, and indoor rifle range on the first floor of the Eddie Plank Memorial Hall. Here is stored and kept all the equipment prescribed by the War Department for the use of the Reserve Officers' Training Corps. It is sufficient for thorough instruction in all the courses outlined in this Department.

The indoor rifle range, which is seventy-two feet long and equipped with five targets, is thoroughly modern in all details. It is used by the members of the R. O. T. C. for instruction in Rifle Marksmanship and for firing matches with rifle teams of R. O. T. C. units of other colleges. It is also used by the College Rifle Club, which is affiliated with the National Rifle

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Association. Matches are held with the rifle clubs of other colleges thruout the year. This provides a very interesting and enjoyable recreation.

Financial Benefits of R. O. T. C. to College Men

When a student enters the unit he receives a complete uniform for his personal use during the school year, consisting of the following articles of clothing:

1 Cap and ornament	1 Pair trousers, woolen
1 Coat, woolen	1 Belt, waist
2 Shirts, flannel	2 Ornaments, collar
1 Cravat	1 Ornament, sleeve

By completing the advanced course, in addition to the use of the uniform for four years the student receives the following from the government in cash:

Commutation of subsistence @ 30c for 590 days . .	\$177.00
Rations in kind at camp.....	31.00
Ration allowance enroute to and from camp.....	8.00
Travel allowance @ 5c for 160 miles (average).....	8.00
Pay while in camp @ 70c for 42 days.....	29.40

Total amount received in four years..... \$253.40

Roster of Officers and N. C. O.'s of R. O. T. C. Unit

Battalion Staff

L. E. BARRON, Major, Battalion Commander

C. F. TRUNK, First Lieutenant, Battalion Adjutant

S. F. IRWIN, Staff Sergeant, Battalion Sergeant Major

Company Officers

Captains

COMPANY "A"
J. R. CHILDS

COMPANY "B"
P. N. ASKOUNES

COMPANY "C"
H. A. DUNKELBERGER

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First Lieutenants

A. C. TILLEY	L. S. WEAVER	P. L. FREY
J. H. RILEY	W. C. KRUMWIEDE	M. L. BOMBERGER
J. W. MCILHENNY	J. A. W. DUNKELBERGER	C. D. OTT
	C. PRESTON	P. H. CORRELL
		R. W. LATSHAW

Second Lieutenants

H. G. HORNER	P. B. AURAND	K. W. REIGHTER
E. L. BERGSTRESSER	L. A. WESTENBERGER	B. M. BARE
	W. M. SMYSER	

First Sergeants

C. S. V. SANNER	W. A. TILLEY	W. R. COMPTON
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Sergeants

K. P. HULL	F. S. GILLESPIE	P. D. RINES
K. E. TAYLOR	M. F. PETERS	R. K. RAFFENSPERGER
E. WORLEY	J. MINNICH	J. JEAVONS
W. C. HALFPENNY	W. B. GILBERT	L. M. BOYER
W. J. DENNER	J. G. SCHMID	L. L. SCHRADER
L. M. SCHADEL	J. W. HARNER	H. F. BUHRMAN

Corporals

R. MICHAEL	D. ROSS	Q. J. FLORENCE
G. HIKES	G. ZARGER	G. A. BARTEN
H. QUICKEL	H. W. PHELPS	M. E. FLORENCE
H. M. HARTMAN	T. J. BELL	S. KIRKPATRICK
F. DAEHLING	A. SODERBERG	R. F. SMITH
A. MILBOURN	F. M. FAIR	W. DUBOVICK
J. VILLAUME	G. WHETSTONE	C. BUHRMAN
E. PSZWARO	E. MILLER	M. MCCARNEY
R. WILLIAMS	D. DOLL	M. O. SCHWARTZ
W. C. HESS	C. SHEELY	

SUMMER SCHOOL

DURING the past few years there has been a demand for summer courses. Much of this arises from the varied preparation furnished by the schools at which the students prepare for college. Some students wish to make up the work required to get in line with the regular candidates for graduation. A number of teachers likewise wish to pursue courses in line with their profession. The present program of advancement in the certification requirements of the State has greatly increased this demand.

In view of these needs the Board of Trustees has authorized a summer session. The school is in charge of the College Faculty and the credits are entered on the College records just as if acquired during the academic year. All students are required to register on June 22. Regular class work will begin on June 23, 1936. The session will close on July 31. A sixty-minute period daily will be the equivalent of two semester hours; a ninety-minute period daily will be the equivalent of three semester hours.

All new students will be charged an enrollment fee of five dollars. Tuition at the rate of ten dollars per semester hour credit will be required of all students.

The administration of the summer school has been placed in the hands of the Faculty members participating in it. The Faculty has appointed the following executive committee: Professor John B. Zinn, Director; Professor T. L. Cline, Professor R. S. Saby, and Professor W. C. Waltemyer.

Further information and the regular Summer School Bulletin may be had on request from Professor John B. Zinn, Director of the Summer School, Gettysburg College, Gettysburg, Pa.

GENERAL INFORMATION

THE College aims to develop the greatest possible individuality and the highest manhood of the student. The prevailing influences are such as tend to lead young men and young women to an active Christian life and to a full realization of their personal responsibilities. The immediate supervision of the students is in the hands of the President, the Dean, the Director of the Women's Division, and the Advisers.

Student Council

The Faculty, without lessening its authority and responsibility, has delegated to the student body certain duties in self-government. The students act through a Student Council consisting of four Seniors, three Juniors, two Sophomores, and one Freshman, elected by their respective classes. This Council acts in certain matters of discipline and in matters concerning the general welfare of the student body, and is a medium of communication between the students and the Faculty.

Terms and Vacations

The college year of thirty-five weeks is divided into two semesters. The first semester begins at 11 A. M. on the third Thursday in September and continues, with recesses at Thanksgiving and Christmas, to the end of January; the second semester begins immediately thereafter and continues, with an Easter recess, to Commencement Day, the second Monday of June. The closing days of each semester are devoted to examinations.

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Freshman Week begins at 9:00 A. M. on the Monday preceding the official opening of the college year and closes on the following Friday.

Church Attendance

Gettysburg College believes that regular church attendance is an essential part of the life of any student. This is particularly true when the student is away from the incentives and restraints of the home. Gettysburg College strongly urges the importance of attending church services at least once a Sunday.

The churches of Gettysburg are eager to welcome the students of the college to their services.

Rules Governing Class and Chapel Absences

The supervision and discipline of student absences are vested in a *Committee on Absences* composed of the Dean, who is ex-officio chairman, and two other members of the Faculty appointed by the President.

When a student registers at Gettysburg College he enters into an agreement to attend every class exercise unless unavoidably detained.

Each instructor shall make a daily report of student absences to the office of the Dean.

A total of one week's absences, those due to prolonged illness and authorized trips excepted, is allowed in each course to take care of necessary absences. Absences above this allowance may be excused by the *Committee on Absences* if all of the absences within the allowance have been used for reasons satisfactory to the *Committee*. Otherwise they will remain unexcused.

A student whose average grade is B will be allowed double this number of absences; this ruling to take effect the semester following the one in which the above average was reached. If, however, he is deficient in any subject at the following mid-semester, this privilege is automatically taken away.

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A student whose general attitude toward his work is, in the judgment of the instructor, unsatisfactory may be reported to the Dean at any time for absolute cut probation in the course.

Each unexcused absence in excess of the allowance will be penalized by the addition of one hour's credit to the graduation requirement. However, when the number of absences in any course shall aggregate a total of twice the number of hours per week, those due to prolonged illness and authorized trips excepted, the student shall be dropped from the course with an F and the above penalties rescinded.

Absence from any scheduled class on the day before a holiday or vacation or on the day following any holiday or vacation will be penalized by the addition of one credit hour to the graduation requirement, unless previously excused by the *Committee on Absences*.

Students are required to attend a chapel service, Monday to Friday inclusive, at 8:40 A. M. in Brua Chapel. After ten absences in any semester the student is warned; after fifteen absences one hour's credit is added to his requirement for graduation; if he is absent twenty times his case is referred to the *Committee on Discipline*.

A detailed statement of the rules governing absences may be secured in the office of the Dean.

Examinations

Examinations are held in all subjects at the close of each semester or when, during the semester, a subject is completed. Instructors may hold topical or quiz examinations at the time of any of the regular appointments with the class. Absences from these examinations are governed by the rules given above.

Conditions and Deficiencies

No credit is given for a subject reported as E, F, or "Inc," and such a grade remains a deficiency until removed. An "Inc" may be removed by the completion of the work within

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one semester from the time when it was incurred; at the end of that time an unsatisfied "Inc" becomes an F, unless the Faculty shall, because of the student's sickness or for an equally good reason, extend the time for removing the "Inc." An F can be removed only by repeating the semester's work in the subject and the student is held responsible for repeating this subject the next time it is offered. An F in a course for the first semester does not debar a student from the course during the second semester, unless the latter is dependent on the work of the first semester. An E means that the student is entitled to one re-examination within one semester at such a time as the head of the department, in consultation with the Dean, shall appoint, but not within ten days from the time of the original examination. The department shall report the result of any such examination with the grade D if passed, F if failed. The student will be notified by the Dean as to the time and place of the examination, and if he fails to report will receive the grade F.

Before a re-examination may be taken the student must pay to the Dean a fee of three dollars and present to the instructor the Dean's permit to take the re-examination. No student will be allowed to graduate who has an F on his record. One E shall not prevent a student from graduating, provided he has credit for all the prescribed work and all the semester hours required for the given degree, including extra hours imposed for reasons of discipline.

Probation

A. If, in the judgment of an instructor, a student is in any way endangering his scholastic standing, the instructor shall notify the Dean that the student is deficient and on probation in that particular course. At the end of two weeks the head of the department shall notify the Dean whether

- (a) The probation is continued,
- (b) The probation is removed, or

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(c) The student is dropped from the course with the grade of F.

When probation has been removed notification of the fact may be given before the end of two weeks.

B. General Probation involves:

(a) Ineligibility to represent the college in intercollegiate activities or in other activities entailing absence from classes.

(b) The issuance of a warning to parent or guardian, and of notice to the student, the directors of college organizations, and the Faculty.

General Probation is effective the Monday following reports from instructors indicating that the student is failing to meet the following requirements:

(a) The student must be doing passing work in at least twelve semester hours of work during the current semester.

(b) He must meet the minimum requirements of the Quality Point system.

(c) The general quality of his work must evidence reasonable progress toward graduation.

General Probation can not be removed before the expiration of one week.

Quality Point System

Quality points are allowed according to grade as follows: for each semester hour with grade of A, three quality points; B, two; C, one; D, none; E, none; F, none.

In general, students are considered deficient and may be required to withdraw from College when they fail to meet the minimum requirements as enumerated:

1. A minimum total of quality points at the end of each semester as follows. Freshman year: first semester, six; second semester, eighteen. Sophomore year: first semester, thirty-three; second semester, forty-eight. Junior year: first semester,

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sixty-six; second semester, eighty-four. Senior year: first semester, one hundred and two.

2. A minimum of three quality points in any semester.

Reinstatement

A student dismissed from college for *any cause* may not be reinstated except by petition to the Faculty. Such petitions will be considered on their own merits but *in no case* will a student be readmitted during the semester immediately following the one in which the penalty was incurred. A student dismissed for misdemeanor loses all credit for work done during the semester. A student who has been reinstated and fails in scholarship a second time will be required to withdraw from college permanently. In any case of reinstatement the student will be on general probation for one year.

Honors

The following honors are awarded at the close of each year.

FINAL HONORS. A student who passes the Comprehensive Examination "with distinction" and whose average grade for four years is 2.75 or above on the Quality Point scale will receive his degree *summa cum laude*; if the grade is 2.5 or above, *magna cum laude*; if the grade is 2.0 or above, *cum laude*.

DEPARTMENTAL FINAL HONORS. A student who has taken the equivalent of a major in a department with an average of not less than 2.5 on the Quality Point scale and who has been recommended by the department will be awarded Departmental Final Honors in that department, provided he has passed the Comprehensive Examination "with distinction" and have submitted a thesis (or equivalent) satisfactory to the department.

CLASS HONORS for Freshman, Sophomore, Junior, and Senior years. *Highest Class Honors* for the designated year will be awarded to those members of these classes who have

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maintained the grade of A in all their studies thruout the year. *Class Honors* for any particular year are awarded to those members of the class who have maintained the grade of A in at least half of the work of the year and do not have a grade below B in any of their studies for the year.

These awards are announced at Commencement and published in the next Catalog number of the BULLETIN.

Stuckenberg Lectureship

Mrs. Mary G. Stuckenberg has given a fund of \$1,000 for the establishment of a Lectureship in Sociology in honor of her late husband, J. H. W. Stuckenberg, D.D., LL.D., by the terms of which the College will have annually a lecture on some phase of Sociology from the Standpoint of Christian Ethics by specialists in this important field. The lecture is given at such time as is convenient to the lecturer chosen for the year.

Bell Lectureship

A fund of \$2,100 from the estate of the late Rev. Peter G. Bell, ex-'60, has been received by the college for the establishment of a Lectureship on the Claims of the Gospel Ministry on College Men. The main object of this foundation is "to keep before the students of the College the demand for men for the Christian ministry and the conditions of the age qualifying that demand."

College Lecture Course

The College Board of Trustees annually appropriates money sufficient to secure a number of the best scholars and speakers in the country to deliver lectures, one of which is given each month on a literary or scientific topic. Some are illustrated, and all are free to the students and to the general public.

Phi Beta Kappa

A charter for a chapter of the Phi Beta Kappa honor society was granted to Gettysburg College in September 1922, and the

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chapter, known as the Iota Chapter of Pennsylvania, was organized January 11, 1923. The chapter elects into its membership during the first semester of each year not more than three members of the Senior class and during the second semester a number from the Senior class not exceeding fifteen per cent of the whole class and not more than twenty-five per cent of the number of candidates for the degree of A.B. The selection from the class is made from those having the highest scholastic standing. Only those are eligible for election who in addition to good moral character and a high scholarship record have satisfied all the requirements for the A.B. degree and have taken in residence at Gettysburg College three-fourths of their work. No one is eligible who has not shown evidence of broad general culture. In making the selection of members, rank in class, literary and similar college activities, qualities of leadership, and promise of usefulness are taken into consideration.

The Phi Beta Kappa Society, which was founded at William and Mary College, December 5, 1776, stands for the highest ideals of scholarship, and embodies the spirit which is historically that of the American College—that of liberal education as distinguished from professional or technical training; and in its elections to membership recognizes those students who give the greatest evidence of devotion to these ideals, imposing upon them the duty of carrying them and the ideals of integrity, honor, and usefulness into the common life of humanity outside the school. In those colleges and universities where chapters exist, election to Phi Beta Kappa is considered the first of all honors.

General Honor Society

Recognizing the desirability of a Senior honor society which would reward both distinction in scholarship and notable achievement in extra-curricular activities, and election to which would be entirely automatic, a group of students presented a tentative constitution for such a society to a faculty

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committee in the second semester of the year 1933-'34. Final action establishing the society was taken by the faculty on December 6, 1934.

The purposes of the society, as stated in the approved constitution, are three: to create a distinctively Gettysburgian agency for the recognition of distinguished scholastic work and meritorious extra-curricular achievement, whether athletic, literary, forensic, or of some other kind; to encourage the participation of the more competent students in activities other than those required for degree credit; and to form an active, non-political group of representative men who, in association with the faculty, will work for a greater Gettysburg.

For undergraduate membership a student must have attained: (1) an average higher than "B" in his major subject, or in two other subjects in which he has taken eighteen hours or more; (2) a general scholastic average not lower than "B" for his work up to and including the first semester of his Senior year; (3) at least twenty points in extra-curricular activities.

Election to membership in the society will occur automatically upon the fulfillment of the requirements stated above. The Dean of the College will publish the names of those elected.

Kappa Phi Kappa

Gettysburg Epsilon Chapter of Kappa Phi Kappa, the national undergraduate fraternity for students in Education, was installed December 18, 1922. Seniors, Juniors, graduate students, and alumni are eligible for membership, which is limited to those definitely interested in the field of Education. Scholarship and leadership are necessary qualifications.

Tau Kappa Alpha

A chapter of Tau Kappa Alpha, an honorary forensic fraternity founded at Butler College in 1908, was installed at Gettysburg College in 1917. The purpose of the fraternity is "to

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recognize excellence in public speaking and to develop and promote interests in oratory and debate among the students of colleges and universities."

Membership is limited to those members of the undergraduate body who have participated in intercollegiate forensic activities, and graduate members who have contributed in an outstanding manner to the general advance of forensics. Invitation to membership, at Gettysburg, usually comes during the upper class years, and as a result of meritorious service in the forensic activities of the college.

The key of Tau Kappa Alpha represents superior attainment as a public speaker, and is much desired by those students taking part in the forensic activities of the college.

Beta Beta Beta

This is a national honorary fraternity for undergraduate students in Biology. Rho chapter is located at Gettysburg College. It was established in 1928.

Sceptical Chymists

The Sceptical Chymists is an organization of chemistry majors and others interested in Chemistry. It is the purpose of the club to train its members in public speaking and to acquaint them with the newer developments in Chemistry. Meetings are held every two weeks thruout the year. The regular program is varied at times by the introduction of motion pictures and by addresses delivered by guest speakers.

Eta Sigma Phi

Eta Sigma Phi is the national undergraduate honorary fraternity of classical students. Alpha Pi chapter was installed at Gettysburg on May 29, 1931. Prior to that time the classical students of the college were organized as the Philhellenic Society. Eta Sigma Phi purposes to promote interests in classical studies, the history, art and literature of ancient Greece and Rome, and also to promote closer fraternal relationship among classical students. Membership is limited to upperclassmen having a serious interest in such studies.

Phi Sigma Iota

The Tau chapter of the Phi Sigma Iota Honor Romance Language Society was installed at Gettysburg College in 1931. The chapter elects into its membership those undergraduate students who have obtained honors in French and Spanish. The purpose of this national organization is "to recognize outstanding ability and attainments in Romance languages and literatures, and to promote a sentiment of amity between our own nation and the nations using these languages."

Alpha Kappa Alpha

Alpha Kappa Alpha grew out of an earlier organization known as The Sages. The originating purpose of The Sages was the cultivation of the spirit of Philosophy, the honest and persistent search after wisdom. In May 1931 The Sages, finding that the national organization of Alpha Kappa Alpha was fostering the same spirit, joined the national fraternity. The aim remains the cultivation of a closer fellowship together with mutual stimulus in the pursuit of the intriguing and eternally fascinating problem of the nature and meaning of the universe and of human life.

Scabbard and Blade

A chapter of the national honorary military fraternity, Scabbard and Blade, founded at the University of Wisconsin in 1905, was installed at Gettysburg College February 17, 1922, as E Company, Third Regiment, of Scabbard and Blade. This fraternity, composed of the commissioned cadet officers of the Reserve Officers' Training Corps, was organized to promote a general intimacy between the military departments of the various universities and colleges, to develop the essential qualities in officers, to educate men in the military affairs of the country, and to spread intelligent information as to the military requirements of the country. At the present time the fraternity comprises seventy-eight companies including 13,500 members.

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To be eligible for membership in Scabbard and Blade, a student must, aside from being a commissioned officer in the cadet corps, show evidence of high moral and broad general culture, preserve a high scholastic average, and take an active interest in campus affairs. U. S. Army officers and members of the college faculty may be elected as associate or honorary members.

Scabbard and Blade is an honorary military fraternity. Each year two prizes for efficiency in Military Science are awarded by the society:—an engraved saber to the student ranking highest in the advanced course; a smaller prize to the student ranking highest in the basic course. At the annual competitive drill of the R. O. T. C. a large trophy cup is presented to the company displaying the greatest proficiency in close-order drill and maneuvers. Various social functions are also sponsored by the fraternity:—the annual Military Ball; cabin parties and hikes in the mountains when new members are initiated and instructed; banquets at which visiting officers are entertained and given opportunity to speak to the members; and a Senior Farewell Camp in June of each year.

At the summer training camps Scabbard and Blade men from schools over the entire country meet and organize provisional companies for the duration of the camp. In these companies ideas are exchanged and courses of work for the coming year are mapped out. Also, a very close relationship between students and the Regular Army officers, many of whom are members of the society, is maintained.

To be elected to membership in Scabbard and Blade is the highest honor a military student may be accorded, and one well worth striving for. Here it is that the ideals and honor necessary to true citizenship are encouraged and developed.

Prizes

MUHLENBERG FRESHMAN PRIZE—The interest of a fund of \$500, contributed by F. A. Muhlenberg, D.D., LL.D., a former professor in this College, is given at the close of each year to

that member of the Freshman class in the Classical Course who is found to have attained the highest grade of scholarship.

BAUM MATHEMATICAL PRIZE—Charles Baum, M.D., Ph.D., Class of 1874, of Philadelphia, has contributed \$500, the income from which is to be given annually to that member of the Sophomore class who shows the greatest proficiency in Mathematics.

HASSLER LATIN PRIZE—Mr. Charles W. Hassler has furnished a fund of \$500, the interest of which is annually awarded to that student of the Junior class who, at the end of the year, shall be rated as the best Latin scholar.

GRAEFF PRIZE—This prize was founded by Mr. John E. Graeff, Class of 1843. The interest of a fund of \$500 is awarded for the best English essay from a member of the Senior class, on a subject previously assigned. The decision is made by a committee appointed by the Professor of English.

PRIZES IN DEBATE—The College provides prizes for the encouragement of skill in debating. The first contest takes place about the middle of November between teams chosen by the Sophomore and Freshman classes. The second contest, between teams chosen from the Junior and Senior classes, takes place about the last of November. The third contest, between the first and second victors, takes place about the first of December.

SAMUEL GARVER LATIN PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Garver, is annually awarded to the student who has made the greatest progress in Latin during his Freshman year.

SAMUEL GARVER GREEK PRIZE—The income from a fund of \$500 established by the Rev. Austin S. Garver, A.M., a member of the Class of 1869, in memory of his father, Samuel Gar-

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ver, is annually awarded to the student who has made the greatest progress in Greek during his Freshman year.

MILITARY MEMORIAL PRIZE—The Alumni and friends of Gettysburg College have contributed a fund of \$500, the interest on which is to be awarded annually to the student who has attained the highest standing in either the first or second year of the Advanced Course as a member of the Reserve Officers' Training Corps.

THE EDWIN AND LEANDER M. ZIMMERMAN SENIOR PRIZE—The interest on a fund of \$1,000 contributed by Doctors Edwin and Leander M. Zimmerman is given at the close of each year to that member of the Senior class whose Christian character, class standing, and student influence cause him to be selected as the member of the Senior class who has contributed most to the upbuilding of Gettysburg College.

STINE CHEMISTRY PRIZE—The income from a fund of \$1,000 established by Mr. Charles M. A. Stine, Ph.D., Sc.D., LL.D., of Wilmington, Del., Class of 1901, is awarded annually, at the end of the Senior year, to a student majoring in Chemistry. The winner of the prize is chosen on the basis of his Chemistry grades, laboratory technique, personality, general improvement in four years, and ability to handle the subject at the time of his selection.

No student shall be eligible for any honor or prize unless he has had at Gettysburg College all the work required for the year or years for which the honor or prize is awarded, unless substitutions shall be approved, at the time of award, by special Faculty action.

Scholarships and Aids for Students

STINE SCHOLARSHIPS—Chas. M. A. Stine, Ph.D., Sc.D., LL.D., of Wilmington, Del., Class of 1901, has established an endowment fund which makes available three one-hundred-dollar loan scholarships, known as the Milton H. Stine Scholar-

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ships. These scholarships are awarded each year to young men preparing for the Gospel Ministry. Dr. Stine established these scholarships in honor of his father and mother.

BLOUGH SCHOLARSHIPS—Burton F. Blough, of Harrisburg, Pa., a member of the Board of Trustees, has established a scholarship endowment fund yielding three one-hundred-dollar loan scholarships. These scholarships are available on a loan basis to worthy students.

WELLINGTON SCHOLARSHIP—The interest on a fund of \$5,000, bequeathed by Senator George L. Wellington, of Cumberland, Md., is available each year toward the payment of the tuition of a deserving student.

BOARD OF TRUSTEES SCHOLARSHIPS—Endowed scholarships worth thirty dollars each and a limited number of scholarships worth fifty dollars each are awarded annually to deserving students by the Finance Committee of the Board of Trustees. All applications for these scholarships must be made in writing and must state in full the reasons for the request. Such applications must be handed to the President before October 1 of the college year.

KIRSCHNER SCHOLARSHIPS—Mr. and Mrs. C. J. Kirschner, of Hazleton, Pa., have established a scholarship endowment fund of \$10,000 to perpetuate the memory of their son, Alvan Ray Kirschner, who lost his life in the World War. The income from this fund is divided into two scholarships which are awarded to students under certain conditions which give preference to those from Hazleton and vicinity. Applications for the use of these scholarships should be made directly to Mr. C. J. Kirschner, Hazleton, Pa.

ALUMNI LOYALTY FUND LOAN SCHOLARSHIPS—A number of scholarships have been established by contributions received through the Alumni Loyalty Fund. Application for these

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scholarships must be handed to the President not later than the first of June.

MILLER-DEWEY EDUCATION FUND—The income from a fund of \$10,000 established by the late Rev. Adam B. Miller, A.M., a member of the Class of 1873, is annually available for the purpose of aiding deserving persons in obtaining an education at Gettysburg College. The graduates of Loysville Orphans Home have the first claim on these scholarships.

BATEMAN SCHOLARSHIP—The Rev. Sydney E. Bateman, M.D., Class of 1887, has established a scholarship fund of \$500, the income from which is awarded each year to a needy student preparing for the ministry. Applications for this scholarship must be handed to the President before October 1 of the college year.

PARENT EDUCATION SOCIETY SCHOLARSHIPS—The Parent Education Society controls eleven scholarships, worth thirty dollars each, which are open to young men preparing for the Lutheran Ministry.

Every student joining the college unit of the Reserve Officers' Training Corps (R. O. T. C.) receives substantial financial benefits. As outlined in detail on page 100 every member of the R. O. T. C. receives during his college course the necessary uniforms and equipment. During the first and second years, the student is issued for his use a uniform consisting of coat, trousers, two shirts and cap. This uniform remains the property of the United States. During the third and fourth years of the course, the student is furnished with a complete uniform made to his measure. This uniform becomes his personal property when he satisfactorily completes the course. The cash paid directly to the student during the third and fourth years by the War Department for allowances for board, pay, and travelling expenses is about \$250.00. The uniforms furnished during the four years of the course have a value of about

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\$100.00. Hence the total financial benefit to each student during his college course amounts to about \$350.00. As this course, itself of educational value, can be pursued without interfering with the required studies in any course, it should not only be attractive to all students, but should make a special appeal to those who are in need of financial assistance.

Several scholarships of thirty dollars have been endowed and are controlled by congregations, synods, and individuals. The Gettysburg School Board controls a fifty dollar scholarship established by C. W. Thompson, Esq., of Lebanon, Pa. The authorizations from those controlling these scholarships must be handed to the President before October 1 of the college year.

The children of clergymen are each annually awarded a scholarship amounting to one-half of the Tuition and General Fees, that is, \$150, on application to the President before October 1 of the college year. Beneficiaries of synodical aid pay \$250 per annum.

A considerable number of students are given part-time employment by the college in such positions as those of laboratory assistants, dormitory proctors, chapel pianist and chapel chorister, assistants in the offices of the Dean, the Registrar, and the Athletic Department. Others are employed in the Library, and in caring for classrooms, laboratories, and athletic equipment. Unless other compensation is stipulated, thirty-five cents an hour is allowed for these services.

These student appointments are made by the Faculty; applications for such positions must be made in writing on a form provided for that purpose by the Dean and must be filed with him before May 1 of the preceding college year.

Any student wishing to engage in business or to undertake employment during term time is required to obtain permission from the President. Any violation of this rule is regarded as a misdemeanor.

Treasurer's Bills

The bills of the College Treasurer are made out for each semester and include half of each item for the college year.

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The bill for tuition, room rent, electric light, student chest, and laboratory or engineering fees, must be paid in advance at the beginning of each semester.

No student will be graduated until all financial obligations to the College and for class publications and other student interests have been discharged, except when a student has registered a timely protest with the Faculty and the claim for relief has been allowed. Certification of college work or statement of honorable dismissal will not be made until these financial obligations have been met.

College Fees

A Registration Fee of five dollars is required of all students on entering the College for the first time and is payable to the Registrar. For the regulations in regard to registration see page 20.

The annual charge for tuition is \$300 and may be paid in two installments, \$150 being due at the beginning of each semester. This charge is made for instruction; lectures, upkeep and use of grounds and buildings (does not include dormitory room rent); use of library, reading rooms, gymnasium and swimming pool; health and sanitation service. Every student is, however, required to pay a gymnasium locker fee of one dollar per semester during the Freshman and Sophomore years.

Students are required to pay an athletic fee of fifteen dollars. This fee admits to all athletic contests played in Gettysburg and is payable in two equal installments, one being due at the beginning of each semester.

Each student pays a fee of ten dollars to be applied by the College Treasurer to the Student Chest Fund for distribution to the various student organizations.

Any student pursuing studies which total less than ten semester hours must pay ten dollars Tuition and General Fee per semester hour.

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Laboratory Fees

	1st. sem.	2nd. sem.	Breakage deposit per sem.
Biology 1, 2, 3, 4, 5.....	\$ 8.00	\$ 8.00	
Biology 6.....	5.00	5.00	
Biology 8.....	8.00		
Biology 11.....	7.50	7.50	
Chemistry 1.....	10.00	10.00	\$3.00
Chemistry 2, 4.....	10.00	10.00	5.00
Chemistry 3.....	10.00	10.00	7.00
Chemistry 5.....	10.00	10.00	
Education 11.....	10.00		
Engineering CE-A.....	5.00		
Engineering 6.....	7.50		
Engineering 7.....	5.00	
Engineering 12, 13, 31, 32, 47....	5.00	5.00	
Engineering 39.....	2.50	2.50	
Physics 1, 2, 3, 10.....	7.50	7.50	

In addition to these fees a charge is made for apparatus broken or not returned in good condition.

Boarding

The College does not maintain a dining hall for men students. Men students receive board in clubs and with private families at a cost of from five to six dollars per week.

A table for women is maintained in the Main Building of the Women's Division.

Estimated Cost of a Year in College

The expenses of a college student depend largely on the training and habits of the individual. To aid the student rooming in a College dormitory to calculate the probable cost of a year in college at Gettysburg the following estimates are submitted;

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ESTIMATED YEARLY EXPENSES FOR MEN

(A) ITEMS ON COLLEGE BILL

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition and General Fees.....	\$300.00	\$300.00	\$300.00
Room rent and heat (half dormitory room).....	31.00	55.00	77.00
Electric light (one lamp).....	10.00	10.00	10.00
Athletic Fee.....	15.00	15.00	15.00
Student Chest.....	10.00	10.00	10.00
Payable to College.....	\$366.00	\$390.00	\$412.00

(B) OTHER EXPENSES

Board for 35 weeks.....	\$175.00	\$192.50	\$210.00
Laundry.....	25.00	30.00	35.00
Books and stationery.....	25.00	30.00	35.00
Estimated cost for college year	\$591.00	\$642.50	\$692.00

To the preceding should be added laboratory or engineering fees in case the student takes courses involving such charges. The cost of clothing, railway fare, and other personal expenses is not included.

ESTIMATED YEARLY EXPENSES FOR WOMEN

(A) ITEMS ON COLLEGE BILL

	<i>Low</i>	<i>Moderate</i>	<i>Liberal</i>
Tuition and General Fees.....	\$300.00	\$300.00	\$300.00
Board for 35 weeks.....	200.00	200.00	200.00
Room rent, heat, and light....	55.00	75.00	90.00
Athletic Fee.....	15.00	15.00	15.00
Student Chest.....	10.00	10.00	10.00
Payable to College.....	\$580.00	\$600.00	\$615.00

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(B) OTHER EXPENSES

Laundry.....	\$20.00	\$25.00	\$30.00
Books and stationery.....	25.00	30.00	35.00
Estimated cost for college year.	\$625.00	\$655.00	\$680.00

To the preceding should be added laboratory fees in case the student takes courses involving such charges. The cost of clothing, railway fare, and other personal expenses is not included.

College Dormitories

Non-resident women students are required to room in the College dormitories. For information regarding rooms consult or write to the Director of the Women's Division.

The following rules govern the assignment of dormitory rooms for men.

Non-resident students are required to room in the college dormitories unless excused by the Dean. Non-resident students rooming outside the dormitories will be charged \$7.50 each semester for this privilege, when dormitory accommodations are available, unless, for special reasons, this charge is remitted by the Faculty.

No reservations of rooms beyond the actual needs of the student are permitted. No student is allowed to change his room without permission, and if he is allowed to do so, must sign a new rental contract.

Guarantee and Damage Deposit.—Every student rooming in a dormitory is required to sign a contract binding him to pay the rent and to occupy the room himself throughout the year. A deposit of ten dollars must accompany the contract, this deposit to be held as a guarantee and damage fund to cover breakage or any other damage to the room or to the furniture during the year. On June 15, the deposit, with the damage charge determined by the appraiser deducted, is refunded to the student. In case the student fails to take the room, the

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full deposit will be forfeited unless the college has been notified on or before August 15.

Key Deposit.—Every student rooming in the dormitory is required to pay to the Dean a key deposit of one dollar, said deposit to be refunded upon the return of the key to the office of the Dean. All dormitory keys must be surrendered on or before June 15 of each year or the deposit is forfeited.

Reservations by Members of the Student Body.—All rooms are declared vacant May 1 of each year. On this date the reservation of rooms for the next college year begins. Students desiring to remain in the rooms that they have been occupying have that right, provided they make application and sign the rental contract at the Dean's office before May 8. After that date all rooms not reserved in this manner are open for assignment, on the days announced by the Dean, to the members of the several classes in the following order: Juniors, Sophomores, Freshmen. Within the respective classes the rooms are assigned in the order in which the applications are received.

Reservation by New Students.—On May 20 rooms not yet reserved are available for new students. Applications should be mailed directly to the Dean, who will make the assignments in the order in which the applications are received. The application must state the type of room desired: single, double, or suite. Because of the limited number of rooms available, prospective students are urged to make their reservations in the early part of the summer.

Dormitory Furniture and Student Property.—All dormitory rooms are furnished. Students are required to provide bed-clothing, toweling, etc. The College disclaims all responsibility for the care or safety of any property belonging to students. Any student property left in the dormitory room during the summer vacation should be securely packed and distinctly marked with the owner's name and the number of his room. No property should be left in closets or bureau drawers. This

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is to insure against possible loss and facilitate the cleaning of the rooms.

Students Transferring to Other Rooms for the Following Year.
In order to have the dormitory rooms available for the new occupants, especially for the incoming Freshmen, all students signing up for new rooms for the following year are required to transfer their personal property, either to the rooms they are to occupy or into storage, on or before June 15 of that year. Both room and key deposit will be held until this transfer has taken place.

Room Rent

The charge for room rent, including steam heat, is given below for each room in the above-mentioned dormitories, and covers the period commencing the Monday before College opens in September and ending the Friday after College closes in June, with the exception of the Christmas vacation. The occupants of a room pay equal parts of the rental. Not more than two students are allowed to occupy one room or suite except in the cases of some of the larger suites. P indicates Pennsylvania Hall; McK, McKnight Hall.

\$46.50: 106, 108, 120, 122, 124, P.

\$48.50: 105, 107, 119, 121, 123, P.

\$50.50: 340, McK.

\$56.50: 127, P; 140, McK.

\$67.00: 125, P.

\$79.00: 335, 336, 343, 344, McK.

\$85.00: 240, McK.

\$87.00: 206, 208, 210, 220, 222, 224, 306, 308, 320, 322, 324, 406, 408, 410, 420, 422, 424, P; 337, 338, 341, 342, McK.

\$89.00: 205, 207, 219, 221, 223, 305, 307, 319, 321, 323, 405, 407, 419, 421, 423, P.

\$91.50: 111, 117, 118, P.

\$93.50: 126, P.

\$128.00: 204, 211, 217, 226, 304, 326, 404, 426, P.

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\$132.00: 202, 203, 225, 228, 302, 303, 325, 328, 402, 403, 425, 428, P.

\$134.00: 201, 227, 301, 327, 401, 427, P.

\$150.00: 134, 146, McK.

\$154.00: 133, 137, 138, 141, 142, 145, 231, 232, 245, 246, McK.

\$162.00: suites 331-333, 332-334, 345-347, 346-348, McK.

\$168.00: 235-237, 236-238, 241-243, 242-244, McK; (suites of two rooms).

\$189.00: 218, 312, 318, 412, 418, P; (suites of two rooms).

\$195.00: 311, 317, 411, 417, P; (suites of two rooms).


Rooms 111, 117, 118, 218, 312, 318, 411, 412, 417, 418, P, include a large study and good-sized bedroom. Odd numbers are on the south side of the building in Pennsylvania Hall and on the west side of the building in McKnight Hall.

The cost of electric light, five dollars per semester for each 40-watt Tungsten lamp or its equivalent, is charged on the regular College bills. Any damage done to a room will be charged up against the occupants. Only the Superintendent of Buildings and Grounds is allowed to change the locks on doors. The rooms must at all times be accessible to the College authorities. The occupants of a room will be held personally responsible for the order maintained in that room. Students disregarding Faculty or Student Council Dormitory Regulations will forfeit their rights as occupants. All the dormitories and student living rooms are subject to a weekly or semi-weekly sanitary inspection by the Medical Director of the College.

The Dean will be glad to furnish any additional information that may be desired about dormitory rooms as well as rooms in the homes of families living in town.

MATERIAL EQUIPMENT

Library and Reading Rooms

HE Library collection, at present numbering about fifty thousand volumes, together with a serviceable pamphlet and periodical collection, is in process of revision to meet the needs of the various departments of the college. The Dewey decimal system of book classification, now in use, is being replaced by the Library of Congress system, which is better adapted to the needs of a college library.

The appropriation for the Library is being increased constantly to meet the standards of adequate service. Generous book donations, such as the Zimmerman and Stuckenberg collections, book funds from the income of the College for the needs of each department, and a fund for the purchase of books granted by the Carnegie Corporation of New York in the fall of 1931 assure a current supply of authoritative material. The printed card catalogue, based upon bibliographic principles and arranged in dictionary order by author, title, and subject, facilitates access to the resources of the library. A reference collection of encyclopaedias, dictionaries, almanacs, atlases, and yearbooks is available for consultation. To aid instruction in the various departments, the Freshman class is taught the research use of a library.

In the fall of 1929, a new library building was opened to the students. This building, designed in the Georgian style to harmonize with the other buildings on the campus, is made of faced brick with a granite base and cast stone trim. The facade of the building is divided into three units: a large central motive is flanked by lower wings which project slightly in front of the central structure. Complete in every detail

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of its equipment, the building has a book capacity of one hundred thousand volumes and a seating capacity of three hundred readers. Provision has been made in the library for seminar rooms, stack space, reference and general reading-room needs. There are periodical reading-room facilities, a browsing room, and adequate accommodations for the library administration.

The library is open from 8:30 A. M. to 12 noon, from 1 P. M. to 5 P. M., and from 7 P. M. to 10 P. M., Monday to Friday inclusive, and from 8:30 A. M. to 12 noon Saturday. The library is closed Saturday afternoon until after the Thanksgiving recess, Saturday evening, Sunday, on such official holidays as are listed in the College catalog, and during the public lectures sponsored by the College.

To achieve the best results in administration, certain Faculty regulations are in force with which all readers are requested to comply.

Laboratories

The Biological Laboratories, on the main floor of Breidenbaugh Science Hall, consist of two large, well-lighted, communicating rooms, with an adjoining office and a lecture room. They are supplied with microscopes and all the other appliances necessary in carrying on the work of the courses outlined in the Department of Biology.

The Chemical Laboratories in Breidenbaugh Science Hall, as described on page 134, are amply equipped with all the conveniences, apparatus, and supplies required for general and analytical chemistry, including work in organic preparations, proximate analysis, examination of water, and other special subjects.

The Physical Laboratories, also in Breidenbaugh Science Hall and described on page 134, are equipped with modern and carefully selected apparatus for both elementary and advanced work and for lecture demonstrations. Alternating and direct electric currents are supplied at different points by means of a central switch-board, a motor generator, and a storage

battery. The apparatus includes a mercury diffusion pump, high grade balances, spectrometers, photometer, stereopticon, D'Arsonval galvanometers, Wheatstone bridges, potentiometers, voltmeters, standards of resistance, capacity, electromotive force, and self-induction; ammeters and voltmeters for direct and alternating currents; a complete dynamo and motor set illustrating different types of direct and alternating current machines (induction, synchronous, three-phase, etc.); an induction coil giving an 8-inch spark; high frequency coils; electric wave apparatus; telegraph and telephone outfits; and cathode ray and X-ray tubes.

Engineering Equipment

The equipment in the Engineering Departments is modern and adequate and is being augmented as necessity demands.

Instruction in mechanical drawing is given in a large room in Glatfelter Hall. The department is well equipped for the purpose and is supplied with drawings illustrating the best recent practice.

The surveying equipment serves for practice in all kinds of surveying. It includes transits, levels, plane tables, traverse boards, planimeters, level and stadia rods, tapes, and the usual hand instruments.

The facilities for materials testing include a 100,000 pound Riehle universal testing machine, with the necessary measuring instruments for the determination of the physical properties of steel, cast iron, wrought iron, timber, concrete, etc. There is also a cement laboratory, with a Riehle tensile briquette machine of 1,000 pounds capacity, and a variety of other apparatus for making all the standard physical tests of cement, sand, and mortar.

The pattern shop, located in a commodious room in the basement of Glatfelter Hall, is supplied with speed lathes and an oilstone grinder, also numerous benches and hand tools, all of the most modern type. In addition there has been provided foundry equipment of an elementary nature for illus-

GETTYSBURG COLLEGE

trating the fundamental principles of moulding. The College has installed a medium-sized engine lathe, a drill press, emery wheels, and numerous vises and bench tools. A portable forge with the usual collection of small tools has been added.

An Electrical Engineering laboratory has been established. There are facilities for work in both direct and alternating current phenomena. The apparatus includes several direct current motors and generators, a rotary converter, a synchronous motor, several polyphase and single phase induction motors, a number of transformers, and an assortment of direct and alternating current measuring instruments.

The Mechanical Engineering laboratory includes steam engines, a steam boiler, a gas engine, and automobile engines, together with the necessary indicators, injectors, colorimeters, and meters for making complete engine and boiler tests.

Buildings

PENNSYLVANIA HALL, erected in 1836-'38, was remodeled and improved in 1889, and again in 1925. It contains ninety rooms for students, many of them *en suite*, so that those who may wish can have separate study and sleeping rooms. The rooms are all heated by steam and lighted by electricity. On the first, second, and third floors are complete lavatories with hot and cold water.

McKNIGHT HALL, erected in 1897, is a dormitory building of three stories accommodating about fifty students. It is named in honor of Harvey W. McKnight, D.D., LL.D., Class of 1865, fourth President of the College. It is finished entirely in hard wood, heated by steam, and lighted by electricity. The first floor has eight rooms with spacious closets. These rooms may be used by one or two occupants, as preferred. On the second floor all rooms are *en suite*, each suite consisting of a study with one bedroom or two. These are also provided with closets. The third floor is divided into sixteen single rooms.

GLATFELTER HALL, erected in 1888-'89 and extensively remodeled in 1929, is used for general college purposes. It is

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named in honor of the late P. H. Glatfelter, of Spring Grove, Pa., a former trustee, who, with his family, has contributed largely to the college. A generous gift of more than \$100,000 from a friend of the College made possible the recent rebuilding of the hall. The building is fire resisting thruout, and marble, wrought iron, and terrazzo have been skillfully used in the construction of the corridors.

A unique system of departmental arrangement provides for recitation rooms on each side of the private office of the head of the department. All recitation rooms in the building are large and well lighted. The floors are of cork tile cemented over a solid base of reinforced concrete. Large new blackboards and bulletin boards have been provided for each room.

Improvements have been made in every detail of the structure. Steel has replaced much of the wood in the roof; new bearing partitions have been constructed of gypsum tile; windows have been caulked and weather-stripped to prevent leakage of air; and new doors of steel kalamein and bronze have replaced the old ones.

In addition to the improvements made in the building itself, others have been made in the nature of its equipment. Movable chairs of the writing-arm type are used in all classrooms, rest rooms have been provided, and new lighting and heating fixtures have been installed. These improvements have made Glatfelter Hall one of the finest and most complete recitation halls in the state of Pennsylvania.

The first floor is occupied by the offices of the College Administration and by the Mathematics, Philosophy, and German Departments. The Departments of English, History, Latin, Greek, Romance Languages, and English Bible have their headquarters on the second floor. The Departments of Political Science and Economics, Education, and Engineering are on the third floor. In the basement are located the classrooms of the Department of Military Science and Tactics and the laboratories of the Engineering Departments.

The MAIN BUILDING, of the Women's Division, has been thoroughly repaired and adapted to the use of women. It

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provides administrative, dormitory, boarding, sorority, recreational, and other facilities. The building is of beautiful colonial design and fronts one hundred and fifty-six feet on Carlisle Street. It provides rooms for fifty students and boarding facilities for one hundred and twenty-five. The first floor contains rooms for sorority and recreational activities, baths and a locker room, an apartment for the matron, and living quarters for a number of students. The second, or main, floor contains a large drawing room, which has been newly furnished by the Woman's League of Gettysburg College; a large living room; a dining hall; a sanitary kitchen equipped with the best modern culinary facilities; an infirmary, with quarters for the resident nurse; and the Division offices. The third floor consists of rooms for students, an apartment for the hostess, and a large lavatory with hot and cold showers and complete toilet conveniences.

STEVENS HALL will have been completely remodeled for use of women students, by September, 1936. There will be an apartment for the House Mother and comfortable accommodations for forty-five additional students.

BRUA MEMORIAL CHAPEL, erected in 1889-'90, is the gift of the late Col. John P. Brua, U. S. A., as a memorial to his parents. This building is used for daily prayers, and for Commencement exercises, lectures, and other occasions requiring a large audience room.

BREIDENBAUGH SCIENCE HALL is located north of the Robert Weidensall Y. M. C. A. building and is built of brick, colonial style. It is occupied by the Departments of Chemistry, Physics, and Biology. It contains two floors, a well lighted basement, and a large attic. The part of the building devoted to Chemistry consists of one large lecture room, with 205 seats, three smaller recitation rooms, five laboratories, two offices, a reading room, one balance room, and a stock room on each floor, with a large stock room in the basement and a preparation room adjacent to the large lecture room. About 400 students can be accommodated in the Department of Chemistry.

The part of the building devoted to the Biology Department consists of two laboratories, a lecture room, and an office, all equipped with modern furniture. The apparatus includes an autoclave, a projection lantern, microtomes, microscopes, kymographs, sterilizers, ovens, incubators, models, charts, skeletons, preserved and living material, and histological and embryological preparations necessary for a well-rounded course in Biology. To meet the increasing enrollment in the department additional apparatus is being added from year to year.

The part of the building devoted to Physics contains a large lecture room, four large laboratories, a photographic dark room, a photometer room, a store room, three apparatus rooms, a shop, and an office. The building is fitted with the most approved appliances and is well adapted to the teaching of the fundamentals of Biology, Chemistry, and Physics.

EDDIE PLANK MEMORIAL GYMNASIUM, a large and imposing structure of Georgian type, stands on the west campus as a tribute to one of the best known and best loved men who ever enrolled at Gettysburg College. It fulfills the combined functions of a gymnasium, social center, armory, and auditorium.

The lower floor is occupied by the R. O. T. C. with their rifle range and other facilities for instruction. Here also are locker and dressing rooms, showers, and living quarters for the caretaker. On the main floor are the offices of the Athletic Director and his assistants and the Medical Officer of the college, a memorial room, the gymnasium proper, with splendid facilities for all indoor sports, and a finely equipped stage and offices for the Owl and Nightingale Dramatic Club. On the second floor we find a balcony containing a rest room for ladies, a motion picture booth, other offices, and, at the stage end, dressing rooms and scene docks.

The building as a whole offers every opportunity for wholesome exercise and recreation. It overlooks Nixon Field on the one hand and Memorial Field on the other and is thus most conveniently located for all athletic purposes.

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ROBERT WEIDENSALL Y. S. C. A. HALL is located immediately south of the Breidenbaugh Science Hall and is built of brick, colonial style. On the first floor the two main entrances, one from the east and the other from the west, admit to a large and attractive lobby and reception room. Here students meet for social intercourse and entertain visiting members of their families and friends. Adjoining these is a Ladies' Rest Room for the accommodation of women visitors. The College Reading Room, the Recreation Room, a kitchenette, and the offices of the Y. S. C. A. and Alumni Secretaries are located on this floor. On the second floor there is a commodious assembly room especially designed for prayer services and other religious meetings for students, as well as the Bible Study Room, the Mission Study Room, a Committee Room, and living quarters for the resident Y. S. C. A. Secretary. The chief feature of the basement is a swimming pool twenty feet by sixty feet for the free use of the students under careful sanitary regulations. There is also a locker room, a shower room, a room for the heating and filtering plant, and a room for the attendant. There are lavatories conveniently located on each floor. The building is named in honor of Robert Weidensall, LL.D., Class of 1860, the cost of construction having been assumed by the Woman's League of Gettysburg College.

INFIRMARY. A well appointed Infirmary has been added to the College equipment. An eleven-room house, owned by the College, was remodeled and thoroly adapted to the care of sick students. Its arrangement is such that contagious cases are completely isolated from those of a general or non-contagious character. Painted walls and linoleum-covered floors insure quiet and sanitary conditions. The bathroom facilities are adequate and a diet kitchen with an electric stove is provided. The Infirmary has steam heat and is electrically lighted. An electric annunciator in the nurse's room is connected with a call button at each bed. All the wards have an abundance of natural light and are provided with the necessary cots, bedding, and furniture. An experienced resident graduate nurse

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has been secured and is on duty. The Medical Director of the College has general supervision.

Adequate provisions exist, therefore, to take care of cases of sickness that may occur among the students.

The Boiler House supplies the steam required for heating all the College buildings.

Besides these buildings there are on the campus the President's house, five halls erected by Greek letter societies, and two houses for janitors.

A professor's house, donated by Professor George D. Stahley, M.D., Class of 1871, has been erected on College ground, at the corner of Carlisle and Stevens Streets.

NIXON ATHLETIC FIELD, at the north end of the College grounds, covers an area of over seven acres. It affords room and facilities for all kinds of outdoor sports. To the north and east of the field more than a dozen tennis courts have been laid out for the use of the students.

MEMORIAL FIELD, just west of the Eddie Plank Memorial Gymnasium, was constructed at a cost of approximately \$25,000. It is perfectly drained and contains a steel and concrete grandstand.

Class Memorials

As testimonials of their love for their Alma Mater and substantial tokens of gratitude for what she has done for them, the classes indicated below have donated memorials to her as follows:

CLASS OF 1883—On the thirtieth anniversary of their graduation, the members of this class donated \$500 to the College, the income from which is awarded annually, under the name of the Elinore Taylor Brewer Greek Prize, to that Sophomore who does the best work in the regular Greek class.

CLASS OF 1892—On the thirty-fifth anniversary of their graduation the class of 1892 presented the memorial gateway

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opposite Stevens Street, north of McKnight Hall. The cost of this gateway was \$2000.

CLASS OF 1893—On the twentieth anniversary of their graduation, the members of this class presented the fine memorial gateway at the main entrance of the College campus. The approximate cost of this structure was \$1500.

CLASS OF 1899—On the fifteenth anniversary of their graduation, the members of this class presented the furnishings of the classroom for the Department of Philosophy and Education and a departmental library for that department. This equipment, costing nearly \$600, was presented as a Class Memorial to their classmate, the Rev. Jacob Hiram Straw, who died in the African mission field.

CLASS OF 1902—This class presented to the College a concrete walk extending from the entrance into McKnight Hall to the driveway in front.

CLASS OF 1906—This class gave a concrete walk that runs across the entire front of Pennsylvania Hall, connecting the various entrances.

CLASS OF 1907—This class paid for the wiring of all the halls and rooms of Pennsylvania Hall for electric light.

CLASS OF 1912—This class erected the handsome light post in the center of the campus, with its cluster of five large electric light globes, and put down a concrete walk extending from this central point to Pennsylvania Hall, much of the actual labor being done by the members of the class.

CLASS OF 1913—The gift of this class was a concrete walk which extends from Pennsylvania Hall to Glatfelter Hall, connecting with the Gymnasium, and widening into a plaza in front of the entrance to Glatfelter Hall, with two handsome electric lamp posts on the two outer corners of the plaza. This class also put down part of the concrete walk in front of Thaddeus Stevens Hall.

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CLASS OF 1914—This class gave a concrete walk which reaches from the main gateway to the center campus light, together with three walks extending to Brua Chapel.

CLASSES OF 1916 AND 1917—These two classes presented a concrete walk reaching from Thaddeus Stevens Hall to the Corner of Carlisle and Stevens Streets. All the labor of putting down this walk was done by the members of these classes.

CLASS OF 1917—On the fifteenth anniversary of their graduation, as a memorial to Edward Swoyer Breidenbaugh, Professor of Chemistry at Gettysburg College from 1874 to 1924, this class presented a handsome sundial which marks the spot where the old chemical laboratory once stood.

CLASS OF 1920—This class presented the electric light standards on the portico of Pennsylvania Hall.


CLASS OF 1921—This class paid for the concrete walk and steps extending from the main campus gateway to the Library.

CLASS OF 1922—The cases in the Robert Weidensall Y. S. C. A. Hall, containing the athletic trophies won by Gettysburg College students, were donated by this class.

CLASS OF 1928—This class paid for the concrete walk in front of the Eddie Plank Memorial Gymnasium.

STUDENTS' INTERESTS

Debating and Oratory

HE Forensic Arts are under the supervision of the Debating Council, which is composed of the varsity debating squad, the class debating teams, and the three men ranking highest in the annual oratorical contest, together with the Debating Manager and the coach. This organization arranges a schedule with a number of other colleges for contests in debate. A special duty of the Council is to arrange an extended tour every year for the varsity teams. A series of interclass debates is staged each year in which the winning teams of the preliminaries contend for the interclass championship. In addition to this, a junior varsity squad is kept in training, and is given the opportunity to participate in at least one intercollegiate debating contest.

A course in public speaking is offered by the department of English. This course is required of all students preparing for the ministry and for teaching.

The College is a member of the Pennsylvania Intercollegiate Oratorical Union, and each year sends a representative to the annual contest. A local contest is held to select the representative. Membership in any of the debating teams is determined by a system of competitive try-outs, for which all students are eligible.

A chapter of Tau Kappa Alpha, a national fraternity whose purpose is to encourage proficiency in the Forensic Arts, is located at Gettysburg and annually elects into membership several of those participating in intercollegiate contests.

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College Y. S. C. A.

The Young Student's Christian Association, an organization of students and faculty, is an active agent in encouraging religious interests among the students. With the splendidly equipped Robert Weidensall Y. S. C. A. Hall, and the services of a secretary, the Association functions as a religious and social center for the entire student body. The influence of the organization is most strongly felt in its major emphasis upon personal religious work among the students on the part of the staff and the student cabinet. By promoting such activities as Bible study, religious meetings, discussion groups, spiritual retreats, and campus service, the Y. S. C. A. serves as a source of religious and moral life on the campus.

Music

While the College maintains no department of Music, activities in this field are fostered through the following agencies:

The Band. The organization, instrumentation, and training of the band are directed toward creditable performance both in concert work and in connection with athletic contests.

The Orchestra aims to build and maintain a repertoire of standard and classical music.

The A Capella Choir of more than fifty voices is an innovation at Gettysburg College and is proving itself of great value to the musical life of the campus. The work of this organization is almost entirely confined to sacred music.

The Octette is a double mixed quartette whose purpose is to supply such musical needs as do not fall within the province of the *a capella* choir.

The Sunday Evening Musicales offer to students and friends of the College an opportunity to hear, perform, and discuss music in an informal atmosphere. The cultural value of these

musicales is enhanced by the regular reading and interpretation of lyric poetry by a gifted poet who is a member of the faculty.

Courses in Music Appreciation carrying college credit are listed under the Department of Fine Arts on page 57.

A *Series of Public Concerts* by artists of distinction is sponsored by the Faculty Music Committee. To these programs students are admitted at a special low rate.

Service with the musical organizations is recognized by suitable insignia awarded at the end of a designated period of service.

A graduate director is provided for each of the musical organizations. He is assisted in each case by a staff of student officers. The maintenance of the whole musical program of the College is in the hands of a Faculty Music Committee.

Owl and Nightingale Club

The aims of this organization are to bring out the latent dramatic talent of the students in acting, scene painting, and play writing, and also to provide the college and the community with good entertainment. It is the dramatic workshop of the College.

As a part of its program to arouse interest in dramatics, this club has inaugurated a play contest, the winner of which receives twenty-five dollars in cash. The following are the rules for the contest:

1. Only bona fide undergraduate students are eligible.
2. There shall be but one act.
3. The play must be original. No translation or copyrighted play will be accepted. Short stories may be dramatized.
4. The time of the play must be the present.
5. The manuscript should not exceed forty pages.

Athletics

The various college athletic sports, football, baseball, basketball, tennis, soccer, and field sports are well organized. They

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are recognized as an important part of college life and receive encouragement, but under such regulations as, it is believed, will prevent them from becoming a possible source of demoralization to the student body and from interfering with the primary work of the institution. The plan under which these sports are conducted gives opportunity for and encourages every student to take part regularly in some outdoor exercise.

An athletic field on the campus of the Women's Division provides for tennis, hockey, and other suitable sports for women students.

Participation in College Athletics

Students are permitted to participate in any or all branches of athletics, unless parents or guardians have notified the Faculty to the contrary.

A student entering Gettysburg College from another college is required to be registered here for a period of one college year before he is permitted to take part in intercollegiate athletics.

Students on General Probation under the rules of the College are ineligible to represent the College in any intercollegiate athletics. See page 109.

Student Chest

On petition from the Student Council representing the student body, the Board of Trustees adopted a system for handling fees of student organizations, known as a Student Chest. This system eliminates requests and campaigns for money by student groups and substitutes a student fee of five dollars per semester. This fee is payable to the College Treasurer at the beginning of each semester and is distributed by the Treasurer at the direction of the Student Chest Committee to the various student organizations.

Publications

The Gettysburg College Bulletin is published by the College four or more times during the year.

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The Gettysburgian, under the control of the student body, is published weekly, and makes a specialty of College and alumni news.

The Y. S. C. A. Hand-Book, issued at the opening of each college year, gives valuable information and suggestions to incoming students.

The Spectrum, an annual publication of the Junior class, contains pictorial representations of the College with its various organizations and surroundings, and useful information about students and alumni.

After several years of omission, *The Mercury* has been reinstated among the College publications. Its field is that of literary expression rather than news. It is advised by the English Department and seeks to encourage the aesthetic in literary effort among the student body.

In 1929 the Alumni Office began the publication of a quarterly called *The Gettysburg Alumnus*. This publication is intended to enlighten the alumni on the College program. Its purpose is to bind together the alumni and their College.

All the periodicals aim at enlarging the means of communication between the College and its graduates, former students, and friends. These enterprises are cordially commended to the patronage of those interested in the welfare of the institution.

Addresses of Alumni

The College is anxious to keep in touch with its alumni and ex-students not graduates, and requests that all changes in address be sent to the Alumni Secretary.

Teachers' Placement

The College Course for Teachers is arranged to meet the requirements of the School Code of Pennsylvania, thus securing the College Provisional Certificate for the graduates of the College. The attention of school boards, and others desiring teachers, is called to the fact that it is frequently in the

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power of the Faculty to recommend suitable candidates. Many graduates successfully fill important positions in public and private institutions. The College maintains a Placement Bureau for the purpose of assisting its alumni who are in the teaching profession to get in touch with vacancies, and to assist schools in finding teachers. The service is free.

The Director of the Bureau is Professor C. G. Reen.

Alumni Organizations

The Gettysburg College Alumni Association, founded in 1835, is constituted of graduates of the College and former students who were properly matriculated. It is organized to foster and promote the welfare of Gettysburg College and to maintain good fellowship among the members. While the Association meets but once each year, the governing body, the Alumni Council, meets twice annually to plan and execute organization affairs.

The Association, by action of the Board of Trustees in 1876, nominates and maintains six Alumni Trustees. In addition, it maintains two members on the Athletic Council and a roster of officers sufficient to execute the purposes of the Association.

The officers of the Association are:

President

ROY C. DOUGHERTY, '00
116 Douglass St.,
Reading, Pa.

Vice-President

MELVILLE T. HUBER, '01
LANSDOWNE, PA.

Recording Secretary

WILLIAM G. WEAVER, '21
GETTYSBURG, PA.

Treasurer

GETTYSBURG NATIONAL BANK

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In 1929 the office of Alumni Secretary was created, the appointee to do full time service. He is official spokesman for the Association, supervises the routine of office management, and otherwise strives to carry out the purposes of the Alumni Association.

Alumni Secretary

CHARLES W. BEACHEM, '25
GETTYSBURG, PA.

Alumni Clubs

There are Alumni clubs in several populous centers, and others in the process of organization. These clubs strive to be centers of interest for Gettysburg College in their several communities. Prospective students living in the vicinity of a club will do well to get acquainted with the club officers. Following are the active Gettysburg Alumni clubs and their chief officers:

The Altoona-Gettysburg Club

President, J. CALVIN LANG, 921 Penn Street, Hollidaysburg, Pa.

Secretary, H. L. PEGG, 706 15th Street, Altoona, Pa.

The Baltimore-Gettysburg Club

President, R. K. G. RICE, 509 First National Bank Building, Baltimore, Md.

Secretary, L. M. KELLER, 2931 Woodland Ave., Baltimore, Md.

The Buffalo-Gettysburg Club

President, J. A. HATCH, 850 Potomac Street, Buffalo, N. Y.

Secretary, J. G. FLECK, 2 Wallace Avenue, Buffalo, N. Y.

The Cleveland-Gettysburg Club

President, D. F. LYBARGER, Court House, Cleveland, Ohio.

Secretary, J. H. L. TROUT, 15470 Triskett Road, N. W., Cleveland, Ohio.

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The Harrisburg-Gettysburg Club

President, C. S. SIMONTON, 2037 N. 2d St., Harrisburg, Pa.

Secretary, C. L. REBUCK, River Rd., Harrisburg, Pa.

The Lancaster-Gettysburg Club

President, C. E. RICE, Neffsville, Pa.

Secretary, Miss MARTHA HARTMAN, 421 Nevin St., Lancaster, Pa.

The New York-Gettysburg Club

President, E. H. EHLERS, 209 S. Mountain Ave., Montclair, N. J.

Secretary, P. D. SCHWARTZ, 60 Wall Street, New York, New York.

The Philadelphia-Gettysburg Club

President, R. J. WOLF, 806 Muhlenberg Bldg., Philadelphia, Pa.

Secretary, GORDON D. WHITCRAFT, 409 S. Church St., West Chester, Pa.

The Pittsburgh-Gettysburg Club

President, C. C. HARTMAN, 1101 Westinghouse Bldg., Pittsburgh, Pa.

Secretary, Miss ELSIE PAUL, 207 Cathedral Mansions, Pittsburgh, Pa.

The Reading-Gettysburg Club

President, C. J. DIETRICH, 206 West Oley Street, Reading, Pa.

Secretary, D. J. SCHOFFSTAHL, 310 Oley Street, Reading, Pa.

The Somerset-Gettysburg Club

President, R. H. PHILSON, Meyersdale, Pa.

Secretary, ROBERT PHILSON, Berlin, Pa.

The Washington-Gettysburg Club

President, G. F. WALTZ, 613 Nicholas St., N. W., Washington, D. C.

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Secretary, RUFUS M. WEAVER, 1433 Iris St., N. W., Washington, D. C.

The York-Gettysburg Club

President, HORACE PORTS, 31 S. Duke St., York, Pa.

Secretary, C. W. DIEHL, JR., 17 Manheim Street, York, Pa.

Student Council 1935-'36

ROBERT MORRIS, '36

President

L. EUGENE BARRON, '36

Vice-president

JOHN T. RENSHAW, '37

Recording Secretary

JOHN H. FISH, '37

Corresponding Secretary

CHARLES F. TRUNK, '37

Treasurer

E. NORMAN MOFFITT, '37

HARVEY E. SERFASS, '37

SAMUEL A. KIRKPATRICK, '38

FRED E. STRONG, '38

STANLEY B. JENNINGS, '39

STUDENTS IN COLLEGE

1935-'36

Senior Class

CLASS OF 1936

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Allewelt, Arthur Leonard	Chemistry	Hanover
Aurand, Paul Burket	Mathematics	Tyrone
Bare, Bruce Maurice	Chemistry	Philadelphia
Barron, Lloyd Eugene	Chemistry	Harrisburg
Bender, Paul Rudisill	Chemistry	Berwick
Benner, Robert Calvin	Philosophy	Taneytown, Md.
Bergstresser, Edwin Lot	Chemistry	Hanover
Bomberger, Martin Luther	Chemistry	Lebanon
Bortner, Doyle McClean	History	Philadelphia
Bower, Dean Harold	Political Sci.	Gettysburg
Bowersox, George Edward, Jr.	Philosophy	Leechburg
Brenneman, Lavern Harvey	Mathematics	Seven Valleys
Bristol, William Baker	History	Philadelphia
Burkhart, Harold Myers	Economics	Chambersburg
Caldwell, Craig Franklin	History	Chambersburg
Charmbury, Herbert Beecher	Chemistry	Hanover
Childs, James Rogers	Business	Merchantville, N. J.
Cico, John Adam	Mathematics	Steelton
Coble, William Wilson	History	Mercersburg
Correll, Paul Harvey	Biology	Catonsville, Md.
Culp, John Alexander	Business	New Kensington
DeCarlo, Emilio Rudolph	Chemistry	Whitestone, N. Y.
Donehoo, George Smith	Chemistry	Harrisburg
Dunkelberger, Harold Aberly	English	Gettysburg
Dunkelberger, John A. William	History	West Chester
Echelmeyer, Frederick William	English	Philadelphia
Eckert, Frederick John	English	Baltimore, Md.
Eriksen, Leonard Henry	Chemistry	Jersey City, N. J.
Fertner, Martin Luther	Chemistry	Red Lion
Fink, Richard Clay	History	Littlestown
Frey, Paul Livingston	Mathematics	York

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NAME	MAJOR	HOME
Garver, Stuart Paul	Greek	Camden, N. J.
Gazzolo, Louis Joseph	Biology	Tarrytown, N. Y.
Graham, Julian Burns	History	East Haddam, Conn.
Gunnet, Roy Arlington	History	York
Haer, Frederick Bence	History	Marion Center
Hake, Charles Carlton	English	Dallastown
Harbold, Harold Valentine	Biology	Dallastown
Heckert, George Owen	Business	York
Henry, John Robert	Mathematics	Menges Mills
Henry, Paul William	Biology	York
Horner, Harley Gifford, Jr.	Mathematics	Lakewood, N. J.
Karmany, William Hummel	Biology	Hummelstown
Kindig, John Allan	Mathematics	Littlestown
Kline, Howard Edmund	Chemistry	Royersford
Krum, Gordon Sumner	English	Grahamsville, N. Y.
Krumwiede, William Carl	History	Rochester, N. Y.
Kuskin, Emanuel Samuel	Chemistry	Newark, N. J.
Latshaw, Richard Winner	Business	Spring City
Lipperine, Albert Daniel	Biology	Pittston
Long, Frank Mason	Business	Philadelphia
McCahan, William John	Economics	Upper Darby
McElhiney, William Rogers	Business	Greensburg
McElroy, Wilbur Renfrew	Chemistry	Fayetteville
McIlhenny, John William	English	R. D., Gettysburg
Miller, Clarence William	English	Hazleton
Morris, Robert	Mathematics	Reading
Ney, William Luther	Economics	Brookline
Nichols, Robert Horace	Mathematics	Hagerstown, Md.
Pittenger, Emory Melvin	English	R. D., Gettysburg
Preston, Charles William	Chemistry	Baltimore, Md.
Puma, Sam Joseph	Chemistry	Pittston
Reighter, Karl William	Chemistry	Harrisburg
Renshaw, John Travis	Political Sci.	Phoenixville
Rhodes, Edgar Nevin, Jr.	Mathematics	Emmitsburg, Md.
Rigby, John Kenneth	Mathematics	Johnstown
Riley, Joseph Henry	Biology	Gettysburg
Sassaman, Robert Seebold	Philosophy	Williamsport
Schluderberg, Herbert Luther	History	Baltimore, Md.
Shutters, Malcolm Dare	English	Washington, D. C.
Smyser, Willis Michael	French	York
Snyder, John Frederic	Biology	Lebanon
Snyder, William Ulrich	Philosophy	Washington, D. C.
Sobolesky, Albert Edward	History	Minersville

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NAME	MAJOR	HOME
Steininger, Stuart Winford	Chemistry	Harrisburg
Stonesifer, Donald Reid	English	Hanover
Sutherland, Robert Clive	Political Sci.	Pennsgrove, N. J.
Thomas, James Harold	Chemistry	Harrisburg
Tilley, Arthur Charles	Economics	Newton Center, Mass.
Trunk, Charles Frederick, Jr.	Philosophy	Coatesville
Ulrich, William Slocum, Jr.	English	Downingtown
Wallgren, Charles Watson	Chemistry	Prospect Park
Weaver, Louis Schneider, Jr.	Biology	York
Westenberger, Luke A.	Mathematics	Middletown
Wolf, Ben William	Mathematics	Harrisburg
Yost, Carl Elmer	English	York

Candidates for the Degree of Bachelor of Science

Hoover, Ralph Gulden	M. E.	Huntingdon Valley
Koons, Robert Eichinger	C. E.	New Cumberland
Ott, Charles Dorsey	E. E.	Gettysburg

Junior Class

CLASS OF 1937

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Albig, Emery Earl	English	West Newton
Askounes, Pericles N.	Economics	Monessen
Benedict, Helen Bellringer ✓	History	Waynesboro
Berkowitz, Lester Ivin	Biology	Red Bank, N. J.
Black, Kathleen Martha ✓	English	Gettysburg
Bowers, George Kermit	Greek	Bedford
Bryson, Richard Habecker	Economics	Lancaster
Calhoun, Robert Jacob	Philosophy	Steelton
Campbell, James Duncan	Spanish	Harrisburg
Chrisemer, Edgar Troeder	Spanish	Harrisburg
Compton, William Roland	Political Sci.	Bellevue
Cook, William Austin	English	Brookline
Davis, Francis Edwin	Business	Pottsville
Delo, John Charles, Jr.	Chemistry	Pittsburgh
Dollman, Stephen Crawford	Chemistry	Pine Grove
Dougherty, George Gehr	Latin	Reading
Ecker, Sterling M.	History	Littlestown
Eckert, Mark Anthony	Economics	Gettysburg
Ehlers, Edward, Jr.	Economics	Montclair, N. J.
Eichner, Miriam Calanthe ✓	Latin	Philadelphia

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Eshenaur, Ray Ellwood	Chemistry	Harrisburg
Fish, John Hoff	Chemistry	Paulsboro, N. J.
Folkemer, Carl William	English	Baltimore, Md.
Folkemer, Lawrence Daniel	Latin	Baltimore, Md.
Gelbert, James Edward	English	Ambler
Gilbert, Warren Best	Chemistry	Harrisburg
Gillespie, Frederick Sinclair	Political Sci.	Arlington, N. J.
Gochmour, Joseph Parkes	Political Sci.	Ligonier
Halfpenny, William Craig, Jr.	Economics	Harrisburg
Hamme, Robert Ellsworth	Chemistry	York
Harkins, George Frederick	Philosophy	Harrisburg
Harner, John Wilson	Philosophy	Gettysburg
Heiges, Harold Lynwood	Chemistry	Biglerville
Heiges, John William	Business	Harrisburg
Hench, William Lee	Economics	Dallastown
Hershey, Philip Henry	Biology	Spring Grove
Hetrick, Gurney Eugene	Biology	Lewisberry
Horne, Robert Earle	Greek	Philadelphia
Hovis, Edward N.	Biology	Rouzer ville
Hull, Kenneth Preston	Economics	Gettysburg
Irwin, Shull Leonard	French	Gettysburg
Jeavons, John	Chemistry	Merion
Kanzinger, Millard Christian	Economics	Ardmore
Keil, Richard Albert	Business	West Newton, Mass.
Keinard, Robert W.	Business	Phoenixville
Keith, John Burgoyne	Political Sci.	Gettysburg
Kisor, Thaddeus William	Biology	Monessen
Lamason, William Hamilton	Chemistry	Williamsport
Landis, Emily Marie ✓	English	Berlin
Larson, John C.	Economics	Gettysburg
Lawley, Charles Frederick	Chemistry	Tamaqua
Lerch, Casper Edmund	Economics	Wyomissing
Lewis, Harold Wilbur	Economics	Hazleton
Lovell, Donald Root	Chemistry	Bellwood
Manges, James Henry	Economics	Harrisburg
Martin, George Washington, Jr.	History	Cumberland, Md.
McCracken, Ellis Ray	Mathematics	Freeport
Minnich, John Ellsworth	English	Harrisburg
Moffitt, Elwood Norman	Spanish	Palmyra, N. J.
Mumford, Paul Jones	Greek	Ellicott City, Md.
Myers, James Harold	History	Harrisburg
Myers, J. Richard	Biology	Lemoyne
Norley, Walter Nelson, Jr.	Biology	Brookline

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Peters, Martin Fisher	Economics	Phoenixville
Powers, Clarence S., Jr.	Economics	York
Raffensperger, Robert Kieffer	Chemistry	Biglerville
Rau, Robert Browning	German	Baltimore, Md.
Rebert, Philip Nevin	Economics	Frederick, Md.
Rehmeyer, Bernard S.	Economics	New Freedom
Reimer, William John	Political Sci.	Stone Church
Reutter, Richard Earle	Biology	Tamaqua
Richwine, Harry Thomas	History	Harrisburg
Rines, Paul Daniel	Biology	Altoona
Rudolph, Donald Richard	English	Harrisburg
Saltzgiver, Luther Burns	History	Westminster, Md.
Sanders, William Lane	Economics	Woodbine
Sanner, Charles Steiner	Economics	Frederick, Md.
Savarese, Anthony Paul	Biology	Brooklyn, N. Y.
Schadel, Lees Malcolm, Jr.	Chemistry	Philadelphia
Schiff, Adelaide ✓	French	Allentown
Schrader, Lloyd Louis	Chemistry	Bellerose, N. Y.
Serfass, Harvey Edwin	History	Bethlehem
Shadle, Robert Lee	Economics	Selinsgrove
Shaffer, Roger Evans	Chemistry	Hanover Junction
Shirk, Samuel Blaine, Jr.	English	Wyomissing
Smull, Herbert Warner	Business	Lansdowne, Md.
Snyder, Ethel Virginia ✓	English	Wheeling, W. Va.
Snyder, Henry William, Jr.	Philosophy	Washington, D. C.
Stevens, Charles Robert	History	York Springs
Strolis, William Joseph	Political Sci.	Shenandoah
Superka, Joseph Leo	History	Catasauqua
Taylor, Kenneth Edgar	Economics	Yoe
Taylor, Ortha Elois ✓	English	Codorus
Taylor, Raymond Allen	Biology	York
Tilley, William Adrian	Economics	Newton Center, Mass.
Triani, Peter Anthony	Biology	Berwick
Uffelman, Harry Walter	Chemistry	York
Umberger, Eugene Baker	Greek	Runnemedede, N. J.
Wagner, William Carl	Economics	Williamsport
Walborn, John Gordon	Economics	Harrisburg
Walker, Richard Eugene	Chemistry	Harrisburg
Waltemyer, Mildred Ruth ✓	English	Gettysburg
Weidner, Arthur William	Biology	York Springs
Wetzel, Dennis Robert G.	Biology	Hanover
Wolff, Alfred Young	English	Hanover
Worley, Earle Wilson	Mathematics	Littlestown

GETTYSBURG COLLEGE

Candidates for the Degree of Bachelor of Science

NAME	MAJOR	HOME
Buhrman, Howard Franklin	M. E.	Lantz, Md.
Chapman, Jacob Dreher	E. E.	Sharpsburg, Md.
Dallmeyer, Fred Henry	M. E.	York
Fitzsimmons, Robert Walter	M. E.	Honesdale
Schmid, John George	M. E.	York

Sophomore Class

CLASS OF 1938

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Asimus, Horace William	Economics	Arlington, N. J.
Bane, William Kenneth	Economics	Bellerose, N. Y.
Barkley, John Wesley, Jr.	Economics	Ligonier
Barton, George Anton	Chemistry	Baltimore, Md.
Bates, Robert J.	Chemistry	Harrisburg
Bell, Thomas Jefferson	Political Sci.	Harrisburg
Boden, Helen Marguerite	————	Mechanicsburg
Boehner, Henry Sittner	History	Philadelphia
Boyer, Arthur Charles	Chemistry	Catawissa
Boyer, Loraine M. ✓	————	Red Hill
Brehm, John Greenawalt	English	Gettysburg
Campbell, Samuel Burns, Jr.	Economics	Milton
Carey, Helen Anne C. ✓	German	New York, N. Y.
Cooper, Warren Freeman	Economics	Hazleton
Crist, Edward Gordon	————	Gettysburg
Daehling, Francis August	Philosophy	Philadelphia
Daugherty, John Bartlett	Chemistry	Red Hill
Davis, William Watson	Economics	Confluence
Denner, William Justice	Economics	Manchester, Md.
Diehl, John L.	Chemistry	Chambersburg
Doll, Donald Goodyear	Philosophy	York
Dougherty, Mary Elizabeth ✓	English	Gettysburg
Dreas, Richard Edgar	English	Reading
Eckerd, James Wilson	Chemistry	New Bloomfield
Egeland, Andrew M.	Economics	Fair Haven, N. J.
Eisenhart, Ralph Eugene	————	East Berlin
Erb, Herbert Luther	History	Orwigsburg
Evers, Gertrud ✓	German	Baltimore, Md.
Fair, Frederick Maxwell	Political Sci.	Harrisburg
Florence, Quentin James	Chemistry	Waynesboro

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Frantz, George Albert, Jr.	Economics	Confluence
Frey, Arthur McCaleb	Chemistry	Harrisburg
George, Willard Stanton	Chemistry	Mohnton
Goff, Charles Marshall	History	Elizabethtown, N. Y.
Graefe, Edward Walter	————	Owings Mills, Md.
Green, Edward Eugene	Chemistry	Laurelton, N. Y.
Gross, Elliot Francis	English	Grantwood, N. J.
Gross, Lester Roy	Mathematics	Dover
Guldin, Warren	History	Pennsburg
Hanawalt, Margaret Mildred ✓	————	Gettysburg
Harris, George Joseph	Biology	Lonaconing, Md.
Hartman, Henry Miller, Jr.	Chemistry	Gettysburg
Hebert, Lester Bernard	Biology	Lavelle
Hege, John Henry	Chemistry	Dover
Herr, Karl Milton	Economics	Berwick
Hess, Walter Charles	Philosophy	Rosedale, N. Y.
Heydrich, Jack Fabel	————	Lock Haven
Hikes, George Edgar	Chemistry	Gardners
Hildebrand, Ralph Adam	Biology	Wilkes-Barre
Hildebrand, Robert Leroy	History	Johnstown
Hocker, George Farnsler, Jr.	Economics	Bethlehem
Hockman, Harold Randolph	Political Sci.	Bellefonte
Hughes, Robert Samuel	Economics	Ashland
Kakel, Edward Clifton	English	Towson, Md.
Kelly, James Gear	English	Gettysburg
Kirkpatrick, Samuel Alexander	————	New Cumberland
Klinedinst, Harvey Delle	Economics	Red Lion
Knecht, Frederick Vernon	English	Tower City
Kuhs, Byron Albert	History	Johnstown
Lau, Donald R.	Philosophy	Reading
Lau, Robert Edmund	Biology	York
Logan, Jean Catherine ✓	————	Turtle Creek
MacNeille, Jack Perry	Chemistry	Bayonne, N. J.
Maiden, E. Sayre F.	Economics	Philadelphia
Manges, Willis Edmund	Chemistry	Moylan
Marks, William Jacob	————	Gettysburg
Messinger, Fred	————	Easton
Milbourn, Arlton Wayne	————	Great Bend
Miller, Edgar Allen, Jr.	Biology	Gettysburg
Miller, Robert H.	Biology	Patton
Mizell, Louis Richard	Chemistry	Kensington, Md.
Moore, Allison Park	————	Downingtown
Morecraft, Howard George	Economics	Rahway, N. J.

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Naile, William, Jr.	Chemistry	Drexel Hill
Olmstead, Richard Dixon, Jr.	Economics	Worcester, Mass.
Pagliaro, Philip Francis, Jr.	———	Philadelphia
Phelps, Henry William	English	Gettysburg
Pirnik, Louis Charles	English	Pennsburg
Pszwaro, Edward J.	English	Gibbstown, N. J.
Quickel, Harold Henry	Chemistry	York
Reutter, David William	Biology	Tamaqua
Rife, Richard Curtis	History	Harrisburg
Ross, Donald Joseph	Economics	Harrisburg
Schultz, Nicholas Frederick	Economics	East Liverpool, O.
Schumo, Richard Kulp	Economics	Hamburg
Schwartz, Meyer Oscar	Chemistry	New York, N. Y.
Seel, Elizabeth ✓	———	Malvern
Senft, Roderic Newman	———	York
Seyler, Ray Querns	Chemistry	Brookline
Shelly, Charles Donald	Economics	Gettysburg
Shoop, Arthur Russell	English	Richland
Sierer, Joseph Huber	Economics	Chambersburg
Singer, Rodger Miller	English	Manheim
Smith, James Mervin	———	New Freedom
Smith, Peter Henry	English	East Berlin
Smith, Ray Frank	History	Frederick, Md.
Soderberg, Arthur Theodore	English	East Weymouth, Mass.
Spangler, Clyde Herbert	Mathematics	New Oxford
Stambaugh, John Maurice	Economics	York
Starry, David Edward	———	York Springs
Staub, Vivian Virginia ✓	Biology	Hazleton
Staubitz, William J.	Chemistry	Buffalo, N. Y.
Stine, Howard Edwin	Chemistry	Blain
Strong, Fred Elmer	Economics	Worcester, Mass.
Swan, James Rutherford	Chemistry	St. Thomas
Swope, Elizabeth R.	French	Gettysburg
Taschenberg, Emil Frederick	Biology	Cumberland, Md.
Thomas, Edmund Wells, Jr.	———	Gettysburg
Thompson, Otto C.	Economics	Lakewood, N. J.
Trostle, George Stanton, Jr.	Economics	Johnstown
Villaume, John Charles	History	Honesdale
Wagner, Romeo Barrick	Chemistry	Philadelphia
Wahler, Walter Augustus	Economics	Littlestown
Waltemyer, Charlotte Louise	Latin	Gettysburg
Weaver, Elizabeth Laura	———	Utica, N. Y.
Weller, David Bentzel	Economics	Gettysburg

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Wenrich, Edward Allen	Political Sci.	Reading
Whetstone, George Edward	Philosophy	Waynesboro
Whisler, Roland Crull	Chemistry	York
White, Musser Diven, Jr.	English	Harrisburg
Williams, Robert Harper	————	Gettysburg
Wingate, Francis Monroe	Chemistry	Wellsboro
Wolfgang, Paul Emerson	Mathematics	Lavelle
Yevak, Robert Eugene	Economics	Hazleton
Zarger, Glenn Walburn	Biology	Chambersburg

Candidates for the Degree of Bachelor of Science

Brubaker, Eugene Martin	M. E.	Altoona
Buhrman, Carroll Leroy	M. E.	Waynesboro
Dickey, Donald Weller	M. E.	Somerset
Dubovick, Walter Alexander	C. E.	South River, N. J.
Florence, Martin Edward	C. E.	Waynesboro
Landau, Harold Sanford	M. E.	Bayside, N. Y.
McCarney, Mahlon Albert	E. E.	York
McClure, William Edward	M. E.	Harrisburg
McNeil, William Wallace, Jr.	M. E.	Tyrone
Michael, Ralph Howard	M. E.	Bethlehem
Pitts, William Ernest, Jr.	————	Hanover
Strosahl, Bernard Conrad	M. E.	Honesdale
Walker, Kenneth Draper, Jr.	M. E.	Lansdowne

Freshman Class

CLASS OF 1939

Candidates for the Degree of Bachelor of Arts

NAME	MAJOR	HOME
Alexander, John David	————	New Cumberland
Arras, Henry Philip	————	New York, N. Y.
Aschenbach, Julius Oscar	————	Leonardo, N. J.
Barlup, Isabelle Ray ✓	————	Waynesboro
Bast, Mark Henry	————	Schuylkill Haven
Baum, John Henry	————	Lemoyne
Beach, Janet Louise ✓	————	Johnstown
Bentz, Dale Monroe	————	Shiloh
Bergstresser, Daniel Lane	————	Selinsgrove
Bernd, Pauline Ann ✓	————	Lansdale
Besecker, Horace Morgan, Jr.	————	Fayetteville
Bierbower, Katherine Edna ✓	————	Camp Hill
Bommer, Kenneth John	————	Hazleton
Bowers, Margaret Bernice ✓	————	Gettysburg

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Bowman, Jean Lyle ✓	_____	Harrisburg
Bowser, Lucille Esther ✓	_____	McDonald
Brandt, William Edgar ✓	_____	Pittsburgh
Bray, Marie Virginia ✓	_____	Kittanning
Brennan, Alfred Laurens	_____	Bloomfield, N. J.
Brown, John Lewis	_____	Ford City
Buckbee, John Alan	_____	Camp Hill
Bucklen, Seth Lovellan	_____	Oakmont
Burgdorf, Beatrice Hermance ✓	_____	Baltimore, Md.
Byers, Goldie Irene ✓	_____	Gettysburg
Castillo, Francisco	French	Washington, D. C.
Chester, William Harry	_____	Montrose, N. J.
Codori, Aurelia Henrietta ✓	_____	Gettysburg
Crede, Robert Edward	_____	Pittsburgh
Creeger, Charlotte Virginia	_____	Thurmont, Md.
Damm, Elizabeth Matilda	_____	Baltimore, Md.
Davidson, William Alexander	_____	Palmyra, N. J.
Deardorff, John Edgar	_____	Gettysburg
Deardorff, John William, Jr.	_____	Biglerville
Deibert, Katherine Louise ✓	_____	Northampton
Deitch, David Gulden	_____	Gettysburg
Dennison, David	_____	Newton Center, Mass.
Derry, Ellis Leroy	_____	Plainfield, N. J.
Duckstad, Eric Edward	_____	Gettysburg
Echternach, Joseph Potts	_____	Penfield
Ehrhart, John Henry	_____	Hampton
Empie, Florence May ✓	_____	Baltimore, Md.
Enck, Gertrude Mabel ✓	_____	Harrisburg
Felder, George Adam	_____	Oberlin
Fischer, Hadwin Keith	_____	Gettysburg
Fischer, Robert Harley	_____	Gettysburg
Folmsbee, Leroy Clyde	_____	Berwick
Fulmer, Paul Carlton	_____	Milton
Gamber, Karl Solomon	Business	Harrisburg
Geiser, John Dixon, Jr.	_____	Belle Vernon
Gellert, Irving	Economics	Ashland
Gitt, Kathryn	_____	Gettysburg
Gorman, Philip William	_____	Hanover
Guerard, Jack Williamson	Business	Philadelphia
Haas, Elizabeth Moir ✓	_____	Hanover
Hall, Howard Anderson	Economics	Newtonville, Mass.
Hancock, Janet Dyer ✓	_____	Salem, N. J.
Hanson, Robert DeLolle	_____	Gettysburg

GETTYSBURG • PENNSYLVANIA

NAME	MAJOR	HOME
Harbach, Harrison Franklin, Jr.	————	Gettysburg
Harris, Elizabeth Wilma ✓	————	Lonaconing, Md.
Hartman, Moses McCoy	————	Richmond Furnace
Hartzell, Mahlon Plank, Jr.	————	Gettysburg
Hassinger, Bruce Minnich	————	Harrisburg
Heindel, John Klinker	————	Glenridge, N. J.
Herman, Martha Jane ✓	————	Harrisburg
Hesselgesser, Everett Odell	————	Freeport
Hill, Charles Leslie	————	Frostburg, Md.
Hine, Gilbert Claranden	————	New York, N. Y.
Holland, Richard Milton	————	Red Lion
Holsberg, Robert Hartz	Economics	Harrisburg
Hudson, James Wesley	————	Philadelphia
Hultberg, Marianne Elizabeth ✓	————	Philadelphia
Hummel, George H., Jr.	————	York
Hunger, Arthur Douglas, Jr.	————	Point Marion
Jennings, Stanley Beecher	————	Mechanicsburg
Jesser, Herbert	————	Philadelphia
Justin, Frederick DeWitt	————	Merion
Kanzinger, Courtland Frederick	————	Ardmore
Kaufman, John William	————	Ashland
Kidd, Elizabeth June ✓	————	Allentown
Kitzmiller, Clarence Edward	History	Gettysburg
Klette, Immanuel Max J.	————	Rockville, Conn.
Kobayashi, Bert Takaaki	————	Honolulu, Hawaii
Kuhn, Walter Reehling, Jr.	————	Gettysburg
Kull, Frederick Thomas	————	Ashland
Landau, Carl Robert	————	Bayside, N. Y.
Leader, George Martin	————	York
Leisenring, Jacob Elwood, Jr.	————	Bear Gap
Lintwed, John Galt	————	Biglerville
Linn, John Kenneth, Jr.	————	Tokyo, Japan
Little, Nolan Revere	————	Carlisle
Logan, Margaret Janet ✓	————	Turtle Creek
Lynn, William Hunter	————	Philipsburg
Manges, Margaret Elizabeth ✓	————	Harrisburg
Martin, John R.	————	Gettysburg
Martin, Robert Starner	————	Gardners
McClellan, Vinton Gise	————	Centre Hall
McCormick, Ivan Jerome	Biology	Leechburg
McHenry, Allan Robert	Economics	Sagamore
McHenry, John Haag	————	Sagamore
McIlhenny, Mary Elizabeth ✓	————	Gettysburg

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Messner, Spurgeon Arthur	_____	Carlisle
Miller, Allen Cook	_____	New Oxford
Miller, Jean Vivian ✓	_____	Long Island, N. Y.
Miller, John Harold	_____	Littlestown
Miller, Joseph Douglas	_____	Chambersburg
Motry, Dorothea Anne ✓	_____	Baltimore, Md.
Moyer, Janet Katherine ✓	_____	Harrisburg
Musselman, John Maurice	_____	Fairfield
Ness, Vernon Murray	_____	York
Norley, Theodore	_____	Brookline
O'Neill, Harry Mink	_____	Darby
Pennington, Robert Taylor	_____	Atlantic City, N. J.
Perkins, Richard Grant	_____	York
Persiko, Frederick Herman, Jr.	_____	Meriden, Conn.
Phillippi, Arthur Karl	_____	Wilbraham, Mass.
Pretz, Mary Lois ✓	_____	Gettysburg
Raymond, Homer Irving, Jr.	_____	Green Lane
Ream, John Oliver, Jr.	_____	Berlin
Reed, Mabel Wagner ✓	_____	Phoenixville
Reese, Arthur Haines	_____	Jenkintown
Rehrer, Mervin	_____	Pine Grove
Rhodes, William Hudson	Mathematics	Emmitsburg, Md.
Richards, Arthur Charles, Jr.	_____	Philadelphia
Roman, Peter Paul	_____	Worcester, Mass.
Rose, Wesley J., Jr.	_____	Johnstown
Rosenstengel, John	_____	Gettysburg
Rossmann, William Raymond	_____	Altoona
Rudisill, Glenn Hartman	English	Collingswood, N. J.
Sacavage, Charles Anthony	_____	Mt. Carmel
Sanford, Edward Rutledge	_____	Paxtang
Saul, Robert Jonathon	_____	Reading
Saylor, John Clair	_____	York
Schard, Harry Robert	_____	Camden, N. J.
Schiess, Alfred Franklin	_____	Hoboken, N. J.
Schmitt, George Pershing	_____	Tarentum
Schultz, Granville Radcliffe	_____	Trenton, N. J.
Schwartz, James William	English	Frederick, Md.
Schweizer, Alvin Charles	_____	Brooklyn, N. Y.
Seiler, Lloyd Henderson	_____	Jefferson, Md.
Sell, Mildred Elizabeth ✓	_____	Biglerville
Sellers, Helen Marguerite ✓	_____	Chambersburg
Senn, Robert Harley	_____	Egg Harbor, N. J.
Sharp, Corriston Casper	_____	Philadelphia

GETTYSBURG · PENNSYLVANIA

NAME	MAJOR	HOME
Shotsberger, Jack Wetzel	————	Sunbury
Sims, Natalie May ✓	————	Westfield, N. J.
Staudt, Edwin Elias, Jr.	————	Pottsville
Stein, Wilbur Tobias	Chemistry	Harrisburg
Storrick, Mary Virginia ✓	————	Gettysburg
Sutcliffe, Richard Towne	Chemistry	Taneytown, Md.
Taylor, Harold L.	————	Frackville
Tilberg, Cedric Wilbur	————	Gettysburg
Todd, Harrison Lewis	————	Medford, N. J.
Trimmer, John Henry, Jr.	————	York
Troxell, Elizabeth Mae ✓	————	Gettysburg
Utz, William Henry	————	Gettysburg
von Schwerdtner, Susan	————	Gettysburg
Walborn, George Mark	Economics	Millersburg
Walder, Paul Ernst, Jr.	————	Gettysburg
Wareheim, Ruth Rosina ✓	————	Littlestown
Warrenfeltz, Doris Ethel ✓	————	Hagerstown, Md.
Warrenfeltz, Stuart Martin	Chemistry	Hagerstown, Md.
Weaver, John Benner	————	Altoona
Weems, Thomas Michael	————	Atlantic City, N. J.
Wherley, David Franklin	————	Glen Rock
White, Willis Frederick	————	Blossvale, N. Y.
Whitmoyer, Donald Hale	————	Harrisburg
Whitmoyer, Jerome Hite, Jr.	————	Harrisburg
Williams, Robert Blair	————	Wellsboro
Winder, Harold Eastwood	————	Ardmore
Witman, Walter A.	————	Pennsburg
Wood, Jane Stuart ✓	————	Glenside
Yingst, Dorothy Louise ✓	————	Harrisburg
Yunaska, Luke Max	————	Tarentum
Zepp, William Jacob	————	York Springs
Zimmerman, Evalyn Corinne ✓	————	Lititz

Candidates for the Degree of Bachelor of Science

Bricker, Clark Eugene	E. E.	Shrewsbury
Custer, Charles Cleveland, Jr.	————	South Mountain
De Lucca, Frank Alfred	————	Bergenfield, N. J.
Heller, Robert Joseph	————	York
Jerome, Angelo Lewis	————	Berwick
Lewis, Arthur Stanley, Jr.	————	Trenton, N. J.
McKendree, Joseph Harry, Jr.	————	Philadelphia
Peters, James Edward	————	Bellefonte
Sadler, Lawrence Glen	————	Irwin

GETTYSBURG COLLEGE

NAME	MAJOR	HOME
Smith, Donald Estabrook	————	Summit, N. J.
Yarnall, Joseph Tyler, Jr.	————	Swissvale

Students not Candidates for a Degree

Grimm, Dorothea Anna	Gettysburg
Hull, Robert Eichelberger	Hanover
King, Wilbur Richard	Gettysburg
Knapper, Howard Park	Hanover
Latorre, Joseph	Pittston
O'Donnell, John Philip	Reno, Nevada
Rohrbaugh, Margaret Louise	Hanover
Shultz, Walter Wortz, Jr.	Hanover
Slaybaugh, Richard Sillik	Biglerville
Stambaugh, Edna	York
Swope, Donald McCurdy	Gettysburg

Geographical Distribution of Students

Pennsylvania (Gettysburg 56).....	413
Maryland.....	40
New Jersey.....	38
New York.....	22
Massachusetts.....	10
District of Columbia.....	4
Connecticut.....	3
Hawaii.....	1
Japan.....	1
Nevada.....	1
Ohio.....	1
West Virginia.....	1

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Summary

Students in College 1935-'36

Seniors.....	89
Juniors.....	111
Sophomores.....	138
Freshmen.....	186
Not candidates for a degree.....	11

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GETTYSBURG · PENNSYLVANIA

Students in Attendance Second Semester 1934-'35*

Seniors

NAME	MAJOR	HOME
Kitzmiller, Ivan Guynon	Business	Gettysburg

Juniors

Wallgren, Charles Watson	Chemistry	Prospect Park
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Sophomores

Erb, Herbert Luther	History	Orwigsburg
Smith, Peter Henry	————	East Berlin

Freshmen

Castillo, Francisco	————	Washington, D. C.
Crist, Edward Gordon Willard	————	Gettysburg
Harrison, Charles Clifford	————	St. Thomas
Mathis, Charles Moss	————	Tuckerton, N. J.
Pagliaro, Philip Francis	————	Philadelphia
Schumo, Richard Kulp	————	Hamburg

Commencement 1935

Commencement Orator

REVEREND LLOYD C. DOUGLAS, D.D.,
WELLESLEY HILLS, MASS.

Graduates

Bachelor of Arts

Luther Bringman Arnold	Edward Banister Bulleit
Joseph Henry Banks	Charles Abiel Chamberlin
Lester Seymour Barr	Carl Frank Chronister
William Allison Bender	Emmert Glenn Colestock
Sol N. Bers	Preston Wyckoff Dise
Charles Richard Bollinger	David Black Dunlevey
Clarence Hoke Bomberger	Harold Eugene Eckert
Henry Lloyd Wolf Bower	Frank Groft Edwards
George Samuel Bowlus	Alfred Preston Fehl
Richard Stanley Bowlus	Arthur Foellner
James Brazel	Charles Calvin Frazier
Guy Edward Brown	Emerson Thomas Frey
William Valgean Brown	Charles Stouffer Garverick

* Too late to be included in catalog for the year.

GETTYSBURG COLLEGE

William Hayes Gill
 Robert Ernest Greenwell
 Richard Christian Guise
 Leslie Seymoure Guy
 Victor Lavern Hamme
 Luther Lee Hare
 Owen Wister Hartman
 Russel Wagner Heiges
 Frank Ernest Helsel
 Paul Eugene Henry
 Edward Wilcox Hepford
 George William Hill, Jr.
 Conrad Daniel Hummel
 George James Jones, Jr.
 Henry Raymond Jones
 Warren Ramsay Jones
 William Howard Kadel
 John Bruce Kaufman
 Norman Bates Kellow
 Robert William Kirkpatrick
 Anthony Karl Kozma
 Charles Nikander Kulman
 Austin J. Lange
 Joseph Steve Latorre
 John Elmer Leas
 Charles Milton Levengood
 Francis Charles Lindaman
 Marion F. R. Lower
 Robert Fisher McClure
 Robert McCullough
 Daniel R. McGinnis
 James Edward McNulty
 Mervin Eugene Manning
 Harold Isiah Meier
 Olin Miller Messec

Raymond Milton Miller
 Russel Calvin Miller
 Robert Smith Nagle
 Paul Palilonis
 Donald Raymond Poole
 Cleon Franklin Prowell
 Raymond John Quick
 Jean Harper Reed
 Taylor Praul Reeder
 James Day Richard
 Bruce LeRoy Ritz
 Bissett J. Roberts
 Robert Harold Runk
 Robert Charles Schiebel
 S. A. Schreckengast, Jr.
 Walter Carl Schroeder
 Elmer Franklin Seifert
 Harry S. Shimer, Jr.
 Maurice McClellan Smeal
 Floyd Clair Smith
 Charles William Snyder
 Nelson Weaver Spengler
 Herbert Stover Stare
 Gerald Bernard Stein
 Henry Dean Stover
 Charles Austin Sullivan
 Donald McCurdy Swope
 Powell Stackhouse Thomas
 John N. Visco
 John Robert Walker
 Harry Edgar Wenrick
 Harry Robert Wise
 John Marlin Witherspoon
 Wayne Robert Woods
 Charles Woodrow Zech (post obit)

Harry Frederick Zech

Bachelor of Science

Francis Rowe Hoke
 John Wallis Hough
 Eric Fredolph Larson
 David Dalzell McCracken
 Blaine Edgar Nary

William Henry Nix, Jr.
 Edward Joseph Nowicki, Jr.
 Knute Sahle
 Robert Woodrow Smith
 William Wallace Taylor

GETTYSBURG • PENNSYLVANIA

Master of Science

Charles William Eisenhart	Carl Chester Slaybaugh
Charles George Hain	Carl Ephraim Slaybaugh
David Levi Hertzler, Jr.	Laun Cummins Smith
Paul Phillips Ulrich	

Honors

Valedictorian

Bruce LeRoy Ritz

Salutatorian

Wayne Robert Woods

General Final Honors

Edward Banister Bulleit	Bruce LeRoy Ritz
Carl Frank Chronister	Robert Harold Runk
Cleon Franklin Prowell	S. A. Schreckengaust, Jr.
Wayne Robert Woods	

Highest Class Honors

SENIOR

Edward Banister Bulleit	Bruce LeRoy Ritz
-------------------------	------------------

JUNIOR

Doyle McClean Bortner	William Baker Bristol
Harold Aberly Dunkelberger	

SOPHOMORE

George Kermit Bowers	John Huff Fish
Henry William Snyder, Jr.	

Class Honors

SENIOR

William Allison Bender	Robert Fisher McClure
Charles Abiel Chamberlin	Raymond Milton Miller
Carl Frank Chronister	Cleon Franklin Prowell
Preston Wyckoff Dise	Robert Harold Runk
Francis Charles Lindaman	S. A. Schreckengaust, Jr.
Wayne Robert Woods	

GETTYSBURG COLLEGE

JUNIOR

Bruce Maurice Bare, Jr.	Stuart Paul Garver
Laverne Harvey Brenneman	Julian Burns Graham
Leonard Henry Ericksen	Clarence William Miller
William Ulrich Snyder	

SOPHOMORE

Warren Best Gilbert	William John Reimer
Gordon Sumner Krum	Charles Steiner Sanner
Samuel Blaine Shirk	

FRESHMAN

Albert Francis Barbush	Henry William Phelps
George Anton Barten	Harold Henry Quickel
Warren Freeman Cooper	Joseph Huber Sierer
Quentin James Florence	Rodger Miller Singer
Donald Lau	Romeo Barrick Wagner

Departmental Final Honors

In English

Francis Charles Lindaman
Walter Carl Schroeder
Wayne Robert Woods

In Latin

Cleon Franklin Prowell

In Greek

Raymond Milton Miller

In German

Samuel Agison Schreckengaust

In Economics

Preston Wyckoff Dise

In Chemistry

Bruce LeRoy Ritz
Robert Harold Runk

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Seniors Elected to Phi Beta Kappa

Edward Banister Bulleit	Cleon Franklin Prowell
Carl Frank Chronister	Bruce LeRoy Ritz
Preston Wyckoff Dise	Robert Harold Runk
Francis Charles Lindaman	Samuel Agison Schreckengaustr
Raymond Milton Miller	Walter Carl Schroeder
Wayne Robert Woods	

Prizes

Graeff Prize

Wayne Robert Woods

Garver Latin Prize

Albert Francis Barbush

Hassler Latin Prize

Clarence William Miller

Brewer Greek Prize

George Kermit Bowers

WITH HONORABLE MENTION OF

Paul Jones Mumford

Garver Greek Prize

Donald R. Lau

WITH HONORABLE MENTION OF

Rodger Miller Singer

Stine Chemistry Prize

Bruce LeRoy Ritz

Robert Harold Runk

WITH HONORABLE MENTION OF

Paul Palilonis

William Allison Bender

Baum Mathematical Prize

Howard Franklin Buhrman

WITH HONORABLE MENTION OF

Stephen Crawford Dollman

Robert Ellsworth Hamme

GETTYSBURG COLLEGE

Muhlenberg Freshman Prize

Donald R. Lau

Edwin and Leander M. Zimmerman Prize

Wayne Robert Woods

WITH HONORABLE MENTION OF

Raymond Milton Miller

Phi Sigma Iota Prize

First—Walter Carl Schroeder

Second—Francis Charles Lindaman

York-Gettysburg Club Prize

Herbert Stover Stare

Military Prizes

Honor Graduate R. O. T. C., 1934-'35

Edward Joseph Nowicki, Jr.

Military Memorial Prize

Edward Joseph Nowicki, Jr.

WITH HONORABLE MENTION OF

Herbert Stover Stare

Scabbard and Blade Military Prize

FIRST YEAR ADVANCED COURSE

Lloyd Eugene Barron

WITH HONORABLE MENTION OF

Harold Aberly Dunkelberger

SECOND YEAR BASIC COURSE

Charles Steiner V. Sanner

WITH HONORABLE MENTION OF

Frederick Sinclair Gillespie

Richard Habecker Bryson

Active Service Men's Trophy Cup, Won by

COMPANY "A"

Captain H. S. Stare, Cmdg.

GETTYSBURG • PENNSYLVANIA

Distinguished Platoon

2ND PLATOON, COMPANY "A"

1st Lieut. C. H. Bomberger, Cmdg.

The 316th Infantry Marksmanship Trophy

2ND PLATOON, COMPANY "B"

1st Lieut. M. F. R. Lower, Cmdg.

The Colt-Cromwell Company Prize

Herbert Stover Stare

Medal for Best Drilled Individual

FIRST YEAR BASIC COURSE

William Stewart Rehder

SECOND YEAR BASIC COURSE

Frederick Sinclair Gillespie

Honorary Degrees

CONFERRED AT COMMENCEMENT 1935

Doctor of Divinity

Rev. Earl S. Rudisill

Rev. M. Roy Hamsher

Rev. E. Martin Grove

Rev. B. Clinton Ritz

Rev. A. B. Bunn vanOrmer

Greenville

Mechanicsburg

Harrisburg

Waynesboro

Huntingdon

Doctor of Laws

Dean Charles Edward Clark

New Haven, Conn.

Doctor of Science

Prof. Harold Sheely Diehl

Minneapolis, Minn.

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